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HENDERSON'S MIDSUMMER CATALOGUE

— 1922 —

Make Your Garden Work Full Time



PETER HENDERSON & CO.

35 AND 37 CORTLANDT STREET, NEW YORK

FREE DELIVERY OF SEEDS

IMPORTANT. NOTE THIS LIBERAL OFFER. We will deliver, transportation paid in the U. S. and possessions, Vegetable and Flower Seeds by the packet, ounce, quarter-pound, pound, pint and quart.

On large quantities (half pecks and over) purchaser pays transportation. We also deliver, transportation paid, all Lawn Grass Seed mixtures in any quantity and most Bulbs at single and dozen price.

In making this Free Delivery offer we reserve the right to ship the goods by Parcel Post, Express or Freight at our option.

When mailable goods we do not offer to deliver free are wanted by Parcel Post, postage must be added at the zone rates below.,

PARCEL POST RATES

From the 4th to 8th Zone packages Weighing 10 Lbs. or More Usually Go Cheaper by Express. (Note that Poisons and Fluids cannot be sent by mail).

1st Zone: 5c for the first pound, 1c for each additional lb.
2nd Zone: 5c for the first pound, 1c for each additional lb.
3rd Zone: 6c for the first pound, 2c for each additional lb.
4th Zone: 7c for the first pound, 4c for each additional lb.

5th Zone: 8c for the first pound, 6c for each additional lb.
6th Zone: 9c for the first pound, 8c for each additional lb.
7th Zone: 11c for the first pound, 10c for each additional lb.
8th Zone: 12c for each pound

Parcel Post packages must not exceed 70 pounds in weight for the first three zones, and 50 pounds for the other zones. and the size limit is eighty-four (84) inches for combined length and largest girth. In this catalogue we give the weight packed up to ten (10) pounds on Implements, Insecticides and Fertilizers.

Packages weighing 8 ounces or less are mailable at the rate of 1c for every two ounces, regardless of distance; if weight is more than 8 ounces the pound rate applies.

THE PARCEL POST ZONE OF EACH STATE. Is printed on the envelope containing this catalogue, or your local postmaster will tell you what zone you live in reckoned from New York. In this catalogue we have given the packed weight for Parcel Post of tools, accessories, odorless fertilizers, insecticides and fungicides so that extra for postage must be remitted according to Zone distances. In most instances the charge by freight and express on weights exceeding 10 lbs. will be found more economical, hence we only give weights up to 10 lbs. Note that Poisons and Fluids cannot be mailed.

BUSINESS RULES, ETC.

We make no charge for packing or cartage of goods to any railroad station, steamship line or express office in New York City.

WE MAKE NO CHARGE FOR PACKING, except special for foreign shipments, as tin-lined cases, double sacks, etc., then we charge cost. Cloth bags we charge for, viz.: $\frac{1}{2}$ peck, 10c.; 1 peck, 15c.; $\frac{1}{2}$ bushel, 20c.; 1 bushel, 30c.; 2 bushel 50c. Burlap bags, 1 peck, 10c.; $\frac{1}{2}$ bushel, 15c.; 1 bushel, 20c.; 2 bushels, 25c.; 4 bushels, 30c.; 6 bushels, 35c.; 8 bushels, 40c. No charge for bags with lawn grass mixtures.

WE DO NOT SUPPLY DEALERS, therefore our Seeds, etc., can only be procured by sending orders direct to us.

ACCOUNTS.—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. New York City reference preferred on account of the shorter delay pending investigation.

REMITTANCES may be made by Express Money Order, P. O. Money Order or Bank Draft; if bills or silver send

in a Registered Letter otherwise it is at senders risk. We must decline sending goods C. O. D. unless 25% of their value accompanies the order.

NOTE—If cash or stamps are sent by mail REGISTER THE LETTER, otherwise it travels at owner's risk. Letters are frequently lost in transit.

THE PRICES QUOTED IN THIS CATALOGUE ARE NET—We offer no premiums, discounts nor gratuities. We reserve the right to advance prices without notice should current conditions require it.

PETER HENDERSON & Co. give no warranty express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Roots they send out and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

HENDERSON'S GARDEN GUIDE AND RECORD—Price 25c.

Is sent free with all orders amounting to \$2.00 or over, if asked for when ordering

This book has become the indispensable handbook of thousands of gardeners throughout the United States. HENDERSON'S GARDEN GUIDE contains more essential information, is easier of reference, and more complete than many works much more pretentious in character.

It is of convenient pocket size (5 x 8 $\frac{1}{2}$ inches), has 64 pages of text, including a complete index. Also 12 calendar pages, one for every month, for noting phenomena, dates and other items of interest. These greatly enhances its value and encourages an observant attitude in the garden. It treats of the following subjects among others.

Preparing Garden Ground.
 Vegetable Culture — Directions How to Grow. Companion and Successive Crops.
 Vegetable Planting Time Table.
 Culinary Herbs
 Vegetables for Winter Use

Cold Frame Vegetables.
 Insects and Plant Diseases.
 Hot Beds and Cold Frames.
 Fertilizing and Fertilizers.
 Canning Vegetables, etc.
 Flowers from Seed—Selections for Different Purposes and Brief Instructions How to Grow.

Dahlia Culture.
 Plans for Flower Beds.
 Bulb Culture.
 Gladiolus and Peony Culture.
 Pruning Shrubs.
 Lawns and Grass Plots—Making, Maintaining and Renovating.
 And Many Other Pithy Garden Pointers.

Parcel Post Zone
from N.Y. City

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PETER HENDERSON & CO., 35 AND 37
CORTLANDT ST., NEW YORK

SEND BY _____ Date _____ 1922

State if wanted by Parcel Post, Express, Freight or Steamer.
(Regarding Parcel Post shipments see page 2 of cover.)

To (Name) _____

(Mr., Mrs. or Miss; write name very plainly; always write name the same way.)

P. O. Box, Street
or Rural Del'ry.....

Post Office _____

County.....; State.....

Station or Exp. Office

(Only if different from P. O.)

Superintendent or Gardener

(That we may enter his name for Catalogues.)

Money Enclosed.	Amount.
Bills or Silver, <i>If sent in unregistered letters will be at sender's risk.</i>	
Draft or Check,	
Ex. Money Order,	
Post-Office Order,	
Postage Stamps,	
Total,	

RECORDED

and entered for following catalogues:

R..... and.....

IMPORTANT. NOTE THIS LIBERAL OFFER.

We will deliver, transportation paid in the U. S. and possessions, Vegetable and Flower Seeds by the packet, ounce, quarter-pound, pound, pint and quart.

We also deliver, transportation paid, Lawn Grass Seed mixtures and most Bulbs at single and dozen price.

In making this Free Delivery offer we reserve the right to ship the goods by Parcel Post, Express or Freight at our option.

Purchasers Pay—or Allow—for transportation on Seeds, in Bulk, Half-Pecks, Pecks, Bushels, Barrels—Also on Farm Seeds, Bulbs in quantity, Tools, Implements, Requisites, Fertilizers and Insecticides.

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	Amount carried forward,				
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Make Your Garden Work Full Time

The seeds you have purchased from us so far were in all probability intended for spring sowing only. We want to remind you that you can make your garden work for you both in the **SPRING**, in the **SUMMER**, and in the **FALL** and keep right on up to frost, the good work of providing an abundant supply of fresh vegetables for your table. Thousands of suburban dwellers who formerly purchased their vegetables from the nearest store, have been driven by the high prices and the scarcity to raise their own supplies of vegetable foods. And further than that they now appreciate the fact that there is the greatest difference in the world between home-grown vegetables gathered fresh in the morning, crisp and tender, and those that have made a long journey in wagons to the wholesale market, and then in the grocer's wagon to his store before completing the last lap to the consumer.

Early planting is of course necessary for varieties which need a long season in which to mature, but there are varieties which need only a short growing period and these should be chosen for summer or fall planting. They are designated in our catalogue as "early" and are the result of experimental work in our trial grounds extending over a period of seventy-five years. It will be found that all of these may safely be planted in the summer and early fall.

Below we print a list of vegetable seeds especially suitable for sowing in June, July, August and September in the latitude of New York. Note that we give the last date on which they may be sown in one column and in the next the number of days they require for maturity.

If you know about what date the first killing frost comes in your section, you can easily determine what kinds to sow to succeed your first crops.

LIST OF VEGETABLES AND DATES

UP TO WHICH SEEDS MAY BE SOWN IN THE LATITUDE OF NEW YORK

VARIETIES	LAST DATE FOR SOWING	PERIOD OF GROWTH
Beans, Lima	Up to June 25th	110 days
Beans, Dwarf or Bush	Every 2 weeks until Aug.	55 days
Beets	Up to Aug. 15th	60 days
Brussels Sprouts	Up to June (in bed seed)	120 days
Cabbage	Up to early June	95 days
Carrot	Up to Aug. 15th	70 days
Cauliflower	Up to early June	110 days
Celery	Up to June 10th	125 days
Chinese Cabbage	Up to Aug. 10th	90 days
Collards	Up to July 5th	100 days
Corn Salad	Up to Aug. 10th	65 days
Corn, Sweet	Every 2 weeks until July 15th	70 days
Cress, Garden	Every 2 weeks until Sept.	20 days
Cress, Water	Every 2 weeks until Aug.	
Cucumber	Up to July 15th	65 days
Endive	Up to Aug 1st	75 days

VARIETIES	LAST DATE FOR SOWING	PERIOD OF GROWTH
Kale	Up to June	100 days
Kohl-Rabi	Up to July 15th	65 days
Lettuce	Up to Aug. 15th	65 days
Mustard	Every 2 weeks until Aug. 15th	60 days
Onion Sets (Perennial)	Up to Oct. 30th	
Parsley	Up to Aug. 1	112 days
Parsnip	Up to June 5th	126 days
Peas	Up to Aug. 15th	65 days
Pumpkin	Up to June	100 days
Radish, Spring	Every 2 weeks until Sept.	30 days
Radish, Winter	Up to Aug.	60 days
Ruta Baga	Up to June	100 days
Spinach	Up to Sept 15th	65 days
Swiss Chard	Every 4 weeks until Aug 1st	50 days
Turnip	Up to Aug 1st	60 days



A COMMUTER'S GARDEN FROM SUMMER SOWN SEEDS

Our Booklet, "GARDEN CULTURE OF ROOT CROPS," sent free if requested when ordering.

HOW TO STORE VEGETABLES FOR WINTER USE

The old saying that "the way to have is to keep," applies to vegetables and fruit as well as to money, and there is no doubt that good economy requires that everything grown beyond what is wanted for immediate use should be kept for consumption in winter time.

Vegetables and fruits begin to decay in most cases shortly after picking. This is due to the attacks of certain bacteria, which immediately start the process of decomposition.

In canning and preserving these bacteria are destroyed by heat sterilization, and similarly vegetables may also be kept for use in winter by drying or by storing under conditions similar to those required for their growth. The best and easiest method of keeping vegetables is by storing in cellars or in pits in the open ground, and on this page we illustrate ways in which this may be done.

Store only sound, well-matured specimens. When one has a ventilated cold cellar in the house, the cold-storage problem is simplified, but in many homes the heat from the furnaces renders it impossible to keep vegetables for any length of time, so that outside storage must be resorted to. The simplest outdoor storage is "pitting" the suitable vegetables. On account of the amount of air contained in a cellar of this kind very uniform conditions are obtained. Not only may the hardy roots be stored in it, but also Celery, Cabbage, Brussels Sprouts, and Leek plants may be placed upright, roots on the ground, and will keep in prime condition.

"ROOT CROPS," including Beets, Turnips, Carrots, Rutabagas, Parsnips, Salsify and Winter Radish. These are all easy to keep in either cellar or pit and require more moisture than Potatoes. So they are best packed in sand, light soil or sphagnum moss moistened. They should be dug before severe frost. Cut off the tops to within an inch of the root, but leave the roots on. Parsnips and Salsify may also be left out where they grew and dug for use when the ground thaws out.

BRUSSELS SPROUTS. Pull the plants after frost, leaving roots on. Stand upright on soil in the outdoor cellar.

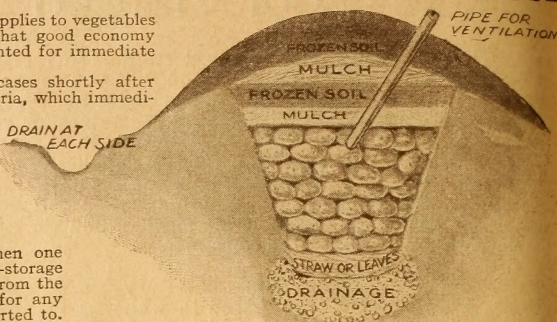
CABBAGE requires to be kept in moist cold. Pull the plants, leaving all leaves, stems and dirt on. Place close together, heads down in a trench 1 foot deep. Cover with 6 inches of straw and before freezing weather add 3 or 4 inches of soil, and before winter sets in increase the soil, covering to a foot in thickness. Cabbage may also be stored in the outdoor cellar, standing them upright, the roots on soil.

CELERY requires to be kept as cool as possible without freezing. For early winter use, it should be partially blanched in the garden; but for later winter use, it should be put away green. Store as late as possible, but before freezing. One method is to dig a trench as deep as the Celery is high and as narrow as possible to pack the Celery snugly in an upright position, roots on the soil. Cover with straw, hay or leaves, then add 6 to 8 inches of soil. In the outdoor cellar it is stood up with roots on moist soil. In the house cellar store the Celery in narrow boxes or barrels not quite the height of the plants. A few inches of damp soil or sand is placed in the bottom; pack the celery in upright with roots in contact with the sand; pack moderately tight to exclude the air so the Celery will not wilt. The moist sand at the roots will sustain it. The soil should be watered as often as needed to keep it from drying out—put water through holes about 8 inches apart bored through the boxes just above the soil or sand—do not wet the foliage or stalks. Thus packed and the boxes placed in a cool cellar, Celery will blanch and be fit to use in four to seven weeks, according to the variety.

CUCUMBER. Treat in same manner as Tomato.

EGG-PLANT. Treat in same manner as Tomato.

KALE. Stands right out in the garden. Pull leaves as required. Frost improves the flavor.



The Making of an Outdoor Pit

LEEK. Store green; leave roots and leaves on; place close together, standing with roots on soil or sand in the outdoor cellar or trench, like Celery.

ONION. Cool, dry air is best. When thoroughly cured remove tops and store on slatted shelves or in trays in a cold airy, frost-proof loft or room. Damp air causes Onions to sprout.

PEPPER. Treat in same manner as Tomato.

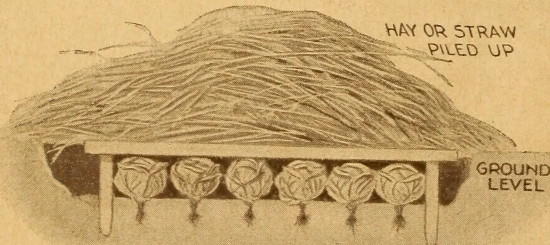
POTATOES, if dug in mild weather, are best left on the ground in a heap and covered with straw or hay to keep them sun off. Before freezing weather store in dry, cold cellar or pit.

PUMPKIN, SQUASH and SWEET POTATOES keep best in the dry atmosphere of a loft or room at about 4 degrees. If warmer they lose weight; if moister they rot. Gather before frost and leave the stems on.

SALSIFY. Follow directions given to Parsnip.

SPINACH, WINTER, remaining in the garden should be covered, after the ground has lightly frozen, with straw or hay to a depth of about 6 inches to check successive freezing and thawing. Corn Salad may be treated in the same way.

TOMATO. Gather the large, unripened fruits before frost and lay without touching each other on excelsior, hay or straw, to permit circulation of air about them. Place in the shade in room of moderate temperature and they will continue to ripen and color up, sometimes lasting until Christmas.



Storing Cabbage in Pit Covered with Boards and Mulched with Straw

Cabbage or Celery May be Stored in Trenches

HENDERSON'S TESTED VEGETABLE SEEDS.

FOR SUMMER SOWING.

Henderson's Black Valentine

GREEN-PODDED BUSH BEAN.

Possesses all the merits of our old favorite Red Valentine, and the pod is fully one-third longer. In addition it has other valuable points. The pods are extra long, round, straight and tender, and of a beautiful soft green color. It is also equally early, but has another advantage in that it is more suitable for late planting. In a test of the Extra Early Refugee, Henderson's Earliest Red Valentine and Black Valentine, conducted in the fall, we found that Black Valentine was fully as useful as Extra Early Refugee, being equally as hardy in every respect as the Refugee, while the beans were produced in enormous quantities. For any purpose, or at any time of the year, the bean will be found exceedingly valuable to all classes of growers. (See engraving). Price, 10c. pkt., 35c. pt., 60c. qt., \$2.20 for ½ Peck.

Detroit Dark Red Beet.

Probably the best of the larger sorts. It succeeds equally well at all seasons, and is one of the best to sow in early spring to succeed the extra early and medium crop sorts. It may be sown about August 1st (in this vicinity) for a crop to store for winter. The flesh is solid, always tender, of good flavor and excellent color. Price, 10c. pkt., 20c. oz., 50c. ¼ lb., \$1.50 lb.

HENDERSON'S

Early Blood Turnip Beet.

This is a great improvement upon the old standard variety Early Blood Turnip Beet. It is a great favorite with many gardeners and is very attractive in appearance, the roots being smooth and uniform, and the color deep blood red. The flesh is tender and sweet, and it is an excellent variety for canning.

This variety should be sown for a late crop on account of its quickness in maturing. For winter storage it is unexcelled. Price, 10c. pkt., 20c. oz., 50c., ¼ lb., \$1.50 lb.



HENDERSON'S SELECTED

Half Long Danvers Carrot.

A handsome, stump-rooted Carrot of a rich, dark orange color. It grows to a large size; is smooth, and the flesh very close in texture with very little core. It is a first-class Carrot for all soils and has yielded 25 to 30 tons per acre, with the smallest length of root of any now grown. It is excellent to store for winter. Price, 10c. pkt., 15c. oz., 45c. ¼ lb., \$1.50 lb.

HENDERSON'S

Big Boston Lettuce

Big, Compact, Tender and Crisp, Creamy-White Heads.

This grand variety, introduced into cultivation by us, is now more extensively grown than any other kind of Lettuce, whether grown in the open ground for early summer and fall use, in frames for spring, or forced cool in greenhouses for winter. It gives both grower and consumer the utmost satisfaction, producing, under ordinarily favorable conditions, splendid, large, creamy-white heads, packed with thoroughly blanched leaves, crisp, tender and sweet, delighting both the palate and the eye.

Large areas of it may be seen in the vicinity of New York as late as Nov. 15th; a slight covering of salt marsh hay amply protecting the plants from hard frosts, which when cut for market are as fresh, bright and untinged as at any season. (See engraving). Price, 10c. pkt., 25c. oz., 75c. ¼ lb., \$2.50 lb.



Henderson's Superior Mushroom Spawn.

Mushrooms may be grown by anyone having a supply of fresh horse manure and a shed or cellar or a space under a greenhouse bench where a temperature of 50 to 60 degrees is evenly maintained. They make a most profitable crop when successfully grown, and our superior Spawn, has given splendid results. It is sold in bricks weighing from 1½ to 1¾ pounds, enough when broken into two inch pieces to "spawn" a bed of about 9 square feet.

American Spore Culture Mushroom Spawn

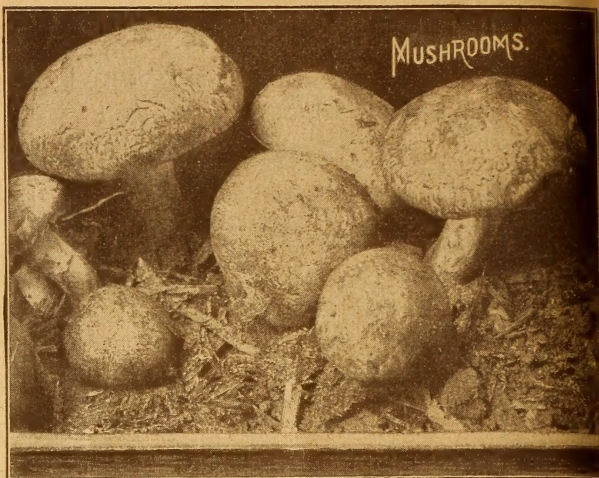
American Spore Culture Spawn is produced from original spore cultures under the new French process which permits the indefinite reproduction of selected varieties without dilution of the strain and free of any trace of the parasitic diseases of the mushroom. Positively the most vigorous and prolific spawn on the market. Each brick weighs from 1½ to 1¾ pounds and will spawn about 9 square feet of beds. We keep on hand the cream white variety, which is generally preferred in the markets, but can supply the white or brown varieties if desired. (See engraving.) Per brick, 40 cents; 5 bricks, \$1.85; 10 bricks, \$3.50; 25 bricks, \$8.50; 100 bricks, \$32.50. Purchasers paying carriage. Our Leaflet "Mushroom Cultural" Thoroughly Up-To-Date free to Customers on Application.

"I purchased American Spore Culture Spawn from you on March 1st, and picked the mushrooms in the above photo on May 24th. I had some that weighed over ½ lb. each. Yesterday, the 5th of June, I picked a mess, and there are fully 100 buttons on the bed now. All this from a bed in the cellar, size 2 x 8 feet.

J. A. COOK, Marshalltown, Iowa.

Purple Top White Globe Turnip.

This is a large, globe-shaped variety, white flesh, fine grained, tender and sweet. It grows smooth, has a small root, and medium sized tops. It is a true table Turnip and one of the best for winter storage being extensively grown and pitted for fall and winter, as it is a good keeper. The best crops of turnips are grown from summer sown seed. Sow 1 oz. for 100 feet of drill, 1½ to 2 pounds in drills per acre. Price, 10c. pkt., 20c. oz., 60c. ¼ lb., \$2.00 lb.



AMERICAN SPORE CULTURE MUSHROOMS

HENDERSON'S **Ruta Bagas** FOR SELECTED TABLE USE

Sow 1 oz. for 100 feet of drill, 2 or 3 lbs. per acre in drill

Henderson's Long Island Improved Ruta Baga

It is very large, has no neck, and is a remarkably good keeper; the flesh is rich yellow, of fine quality. Price 10c. pkt., 20c. oz., 60c. ¼ lb., \$2.00 lb.

Improved American Purple Top Ruta Baga

Considered the standard American Ruta Baga by the best posted farmers. Very popular, both for stock feeding and home consumption. The flesh is yellow, it is hardy, productive and a good keeper. Price, 10c. pkt., 20c. oz., 60c. ¼ lb., \$2.00 lb.

THE HOME GARDENER should pay special attention to root crops on account of their keeping qualities. Our booklet "Garden Culture of Root Crops" sent free if requested when ordering.

Spinach for Fall and Winter Crops

Spinach is indispensable and necessary on every table, and should be sown at all seasons so that full supplies may be had. Besides the usual spring sowings a sowing for fall use may be made in July of Long Standing or Thick-Leaved varieties, both excellent summer varieties. The August and September sowings should receive special attention as they are wanted to supply the table during the coming winter and early next spring. For this purpose sow Victoria. The soil should be well prepared using soot and lime or other material to lighten the soil if heavy. Plenty of space should be given the plants and the row should be 15 inches apart. In cold sections it is better to sow earlier so as to get a strong plant for the winter. Protect plants with dry litter etc. during severe weather. All spinach seed is benefited by being soaked in water for a few hours previous to sowing, as the seed then germinates more quickly and the growth is stronger.



HENDERSON'S LONG STANDING SPINACH

Henderson's Thick Leaved Spinach.

The best sort for fall sowing to winter over for spring cutting, being very hardy. It produces large, thick, bright green crumpled leaves of fine quality, yielding a heavy crop. It is slow to run to seed and stands the heat well. Price, 10c. pkt., 15c. oz., 40c. ¼ lb., \$1.25 lb.

Henderson's Long Standing Spinach.

An excellent compact variety, with thick fleshy dark green leaves. Price 5c. pkt., 10c. oz., 30c. ¼ lb., \$1.00 lb.

Norfolk Savoy-Leaved Spinach

A popular variety to sow for the late fall cutting. It is quick growing and produces large, dark green leaves as deeply crumpled as a Savoy cabbage. It is grown in the South for winter and early spring crops. Price 5c. pkt., 10c. oz., 30c. ¼ lb., \$1.00 lb.

Victoria Spinach.

Stands in prime condition long after other varieties have bolted to seed. Sown in September and slightly protected it gives full supplies in spring. Price, 5c. pkt., 10c. oz., 30c. ¼ lb., \$1.00 lb.

If money is remitted in bills or silver, register the letter; otherwise it is at sender's risk.

HENDERSON'S

TESTED VEGETABLE SEEDS FOR SUMMER SOWING.

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On larger quantities (half pecks and over) purchaser pays transportation.

In making this Free Delivery offer we reserve the right to ship goods by Parcel Post, Express or Freight at our option.

Weight limit.—The weight limit within the 1st 2nd and 3rd Zones is now seventy (70) pounds, within the other Zones the weight limit is fifty (50) pounds and the size limit eighty-four (84) inches for combined length and largest girth.

IMPORTANT.—In remitting postage always add it to the foot of the order as a separate item—this will help to avoid mistakes. You will find your Zone number printed on the envelope containing this catalogue, or your local postmaster will tell you what Zone you are in reckoned from New York City.

BEANS. (1 quart to 100 feet of drill, 1 bushel per acre in drills) PRICES

We will deliver Beans in packets pints and quarts free. For larger quantities if ordered by Parcel Post add postage at zone rates on page 2 of cover. Postal weight 1 lb. per pint.

DWARF or BUSH, GREEN PODDED.

	Pkt.	Pt.	Qt.	½ Pk.
Bountiful, Henderson's. A prolific and continuous bearer, the first in spring and the last in fall..	15	40	70	2.50
Black Valentine. A heavy yielder. Ready for picking in 45 days after planting. Stringless and the best round green podded bean in existence.	10	35	60	2.20
Dwarf Horticultural. A bush variety of the popular Climbing Horticultural. A grand shell bean	10	30	50	1.75
Extra Early Refugee. This variety is a decided improvement on the old Refugee or 1,000 to 1, as it is fully two weeks earlier.....	10	35	60	2.20
Earliest Red Valentine, Henderson's. Very early and remains fit for use for a long time.....	10	30	55	2.00
Refugee or 1,000 to 1. The most popular bean for a late crop. Does remarkably well in the fall. (See engraving).....	10	30	55	2.00

BEANS. DWARF WAX-PODDED or "BUTTER"

Curries Rust-Proof Wax. The earliest, hardiest and the most prolific of the flat wax-pod Beans, color golden yellow, pods long and straight....	15	40	70	2.50
Hodson Long Pod Wax. Creamy yellow Wax bush Beans, one of the best for a main crop...	15	40	70	2.50

Delivered free in the U. S.

	Pkt.	Oz.	¼ lb.	Lb.
BEEF. (1 oz. to 50 feet of drill; 5 lbs per acre in drills.)				
Detroit Dark Red. Best for summer sowing, and for winter use. (See engraving).....	10	20	50	1.50
Dewing's Improved Blood Turnip. Handsome, smooth and round.....	5	20	50	1.50
Early Blood Turnip, Henderson's. A great improvement on the standard variety. Matures quickly and is unexcelled for winter storing..	10	20	50	1.50
Edmand's. A handsome, round, uniform, turnip-shaped Beet, fine for late crop.....	10	20	50	1.50
Half Long, Henderson's. Free from woody fibre..	10	25	65	2.00
Long Smooth Blood-Red An excellent late variety	5	15	40	1.25

CABBAGE, (1 oz. produces 2,000 plants; ½ lb. to transplant for an acre.)

Autumn King, Henderson's Enormous Solid Heads often 12 to 15 lbs. each. It has such small outer leaves that it can be planted closer than the ordinary late sorts. A distinct feature of the Autumn King is the peculiarly crimped leaves, which enables it to be distinguished anywhere.....	10	80	2.75	10.00
Charleston Wakefield Henderson's. A larger variety of Early Jersey Wakefield but not as early as the original stock. The pointed-head Cabbages are preferable to the larger flat kinds.	10	90	3.25	12.00
Early Jersey Wakefield, Henderson's Original. The best First-Early Pointed-Head cabbage. This Cabbage, though introduced years ago by the late Peter Henderson, still holds its undisputed lead as the best extra-early pointed-head Cabbage, and is more largely grown than all other first-early Cabbages combined.....	10	80	2.75	10.00
Henderson Early Market. Three or four days later than Early Jersey Wakefield. The earliest large-heading Cabbage in existence. Entirely free from coarse veins or leaves. Unexcelled for the home or market gardener.....	15	80	2.75	10.00
Early Summer Henderson's. The standard. It is fit for use right after the extra early sorts. It forms large solid flat heads weighing 8 to 10 lbs. each. (See engraving).....	10	70	2.25	8.00
Succession, Henderson's. Best for general use. The heads are enormous in size, extremely solid, and it grows well at any season.....	10	80	2.75	10.00
Late Flat Dutch, Henderson's Selected. A well known variety; forms large solid heads, and winters well.....	10	70	2.25	8.00



REFUGEE OR 1000 TO 1 BEAN.

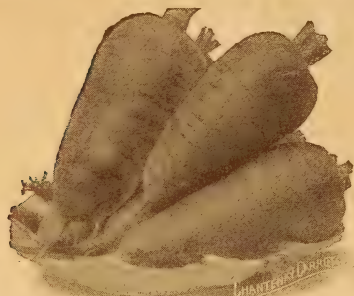


DETROIT DARK RED BEET.

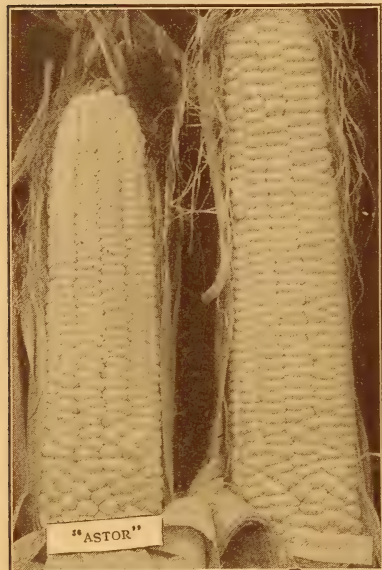


HENDERSON'S EARLY SUMMER CABBAGE

HENDERSON'S TESTED VEGETABLE SEEDS FOR SUMMER SOWING.



CHANTENAY CARROT



HENDERSON'S "ASTOR". THE "HENDERSON"



CHICORY LARGE ROOTED

Our pamphlet "Garden Culture of Root Crops" sent free if requested.

PRICES
Delivered free in the U. S.

	Pkt.	Oz.	¼ Lb.	Lb.
CABBAGE (Continued).				
Premium Flat Dutch. A Standard and excellent variety, developing earlier than most late sorts but not so good a winter keeper. For fall use it is tender and of superior flavor.	10	70	2.25	8.00
AMERICAN DRUMHEAD SAVOY.				
The best flavored of all cabbages.	10	70	2.25	8.00
CHINESE CABBAGE or PE-TSAI.				
This is quite distinct from ordinary cabbage; and somewhat resembles Cos Lettuce; in fact it is called by some "Celery Lettuce." Culture same as late Cabbage. Sow seed early in July	10	50	1.75	
CARROT. (1 oz. for about 125 feet of drill; 4 lbs. for an acre.)				
Chantenay Half Long Scarlet. Blunt rooted, tender and free from core. (See engraving).	10	15	45	1.50
Danvers, Half-Long. (Henderson's Selected) Grows to a large size. Excellent for storing.	10	15	45	1.50
Early Scarlet Horn. A popular variety. When pulled young it is excellent for soups.	10	15	45	1.50
Half-Long Red, Stump-Rooted. Best for summer	10	15	45	1.50
CHICORY. LARGE ROOTED.				
The "Barbe de Capucin" of the French. In the fall the roots are planted in a dark cellar on a sloping heap, composed of alternate layers of 3 inches of soil, and the roots laid horizontally, projecting 1 inch from the heap. They sprout quickly, producing the delicious "Barbe de Capucin" at a season when salad is most scarce. It is very easy to grow, and is also used in summer as greens. (See engraving.)	10	40	1.40	5.00
CORN, SWEET or SUGAR. (1 qt. for 200 hills 8 to 10 qts. in hills for an acre.)				
We will deliver Corn in packets, pints and quarts free. For larger quantities if ordered by Parcel Post add postage at zone rates on page 2 of cover. Postal weight 1 lb. per pint.				
Henderson's "Astor" Sweet Corn. Briefly, this is a smaller and earlier strain of White Cob Cory. The plant is from 4 to 5 feet high; sturdy in habit and bearing two ears set 18 inches from the ground. These have from eight to twelve rows of creamy-white grains, arranged in rows so compactly set together that there is no space between. (See engraving).	10	35	60	2.20
Pocahontas. Early sweet flavored	15	40	70	2.50
Early Champion. An old and thoroughly tested variety.	10	35	60	2.20
The "Henderson." The best second early. It produces uniformly large, thick ears, compactly filled from butt to tip with long, milky white kernels of luscious tenderness. (See engraving).	10	35	60	2.20
Stowell's Evergreen. The ears are of a large size, grains deep, exceptionally tender and sugary, and have the advantage of remaining longer in the green state than any other.	10	40	70	2.50
CORN SALAD.				
Large-Leaved, Feticus, or "Lamb's Lettuce." Grown for the late fall, winter and spring use.	10	20	60	2.00
CRESS, or PEPPER GRASS.				
Extra Curled. Crisp, pungent leaves.	10	20	50	1.50
CUCUMBER.				
(1 oz. for 60 hills; 2 to 3 lbs. in hills for an acre.)				
Cool and Crisp, Henderson's. Extra early	10	25	75	2.50
Early Cluster. An early, short green variety.	10	25	75	2.50
Early White Spine. Popular for family use.	10	25	75	2.50
Green Prolific. Short green, pickling variety	10	25	75	2.50
Everbearing. Bears fruit until frost.	10	25	75	2.50
Extra Early Green Prolific. Ideal for pickling.	10	25	75	2.50
The "Henderson" White Spine. The standard extra early, prolific, best for slicing.	10	30	85	3.00
Livingston's Evergreen. Wonderfully prolific.	10	25	75	2.50
ENDIVE. "Escarolle" and "Chicoree." (1 oz. for 100 feet of drill.) One of the best salads, especially when blanched; if boiled makes fine "greens."				
Broad-Leaved Batavian. Has large, thick, broad leaves; and forms large hearts.	10	25	75	2.50
French Moss Curled. A compact-growing variety	10	30	85	3.00
Green Curled. Best for general use.	10	25	75	2.50
White Curled. Finely cut leaves, almost white; can be used without blanching.	10	30	85	3.00
KALE, or BORECOLE. (1 oz. for 150 feet of drill.)				
Largely grown for supplying "greens" during the fall, winter and spring; used small, like Spinach; frost improves the quality.				
Dwarf Green Curled Scotch. Sow during June, and transplant for use in fall.	10	30	85	3.00
Siberian. Green curly leaves; tender and of delicate flavor.	10	25	75	2.50

If money is remitted in bills or silver, register the letter; otherwise it is at sender's risk.

HENDERSON'S TESTED VEGETABLE SEEDS

FOR SUMMER
SOWING.

	Delivered free in the U. S.				
	Pkt.	Oz.	¼Lb.	Lb.	
LETTUCE. (1 oz. for 3000 plants.)					
Big Boston, Henderson's. The best head lettuce on earth. Large areas of it may be seen growing in the vicinity of N. Y. C. as late as Nov. 15th. (See engraving page 3)	10	25	75	2.50	
Boston Market, or White-Seeded Tennis Ball. A popular, early, small, compact-heading variety.	10	20	60	2.00	
Golden Queen, Henderson's. A very desirable first-early variety, and second to none for forcing.	10	25	75	2.50	
Mammoth Black-Seeded Butter. Similar to, but larger than Black-Seeded Butter, enormous heads tender, sweet and crisp.	10	20	60	2.00	
New York, Henderson's. Immense heads as solid as a cabbage.	15	35	1.20	4.00	
Black-Seeded Simpson. It stands the summer heat splendidly, and is practically everbearing.	10	20	60	2.00	
Early Curled Simpson. Earlier than head Lettuce; grown in cold frames and the open ground.	10	20	60	2.00	
Grand Rapids. Beautifully crumpled and curled. (See engraving)	10	25	75	2.50	
Trianon Cos. Self-folding inner leaves are self-blanching. (See engraving.)	10	25	75	2.50	

Purchaser pays transportation on Mushroom Spawn
1 10 100
brick bricks bricks

MUSHROOM SPAWN.					
American Spore Culture. This is sold in flat bricks 14 inches thick, weighing from 1½ to 1¾ pounds. One brick may be broken into nine pieces which set 12 in. apart will spawn an area of 9 square feet (See engraving page 4)					
Our Leaflet "Mushroom Culture" send free on application.	40	8.50	32.50		

	Pkt. Oz. ¼Lb. Lb.				
	Pkt.	Oz.	¼Lb.	Lb.	
ONION. (1 oz. for 100 feet of drill; 5 to 6 lbs. in drills for an acre.)					
Bermuda, Red. Flat light red-skinned Onions of mild flavor.	10	35	1.20	4.00	
Bermuda, White. Flat, grows very quickly exceedingly mild in flavor.	10	35	1.20	4.00	
White Portugal or Silver Skin. This is beyond doubt the very best Onion for general use during the spring, summer and autumn.	10	30	.85	3.00	
PARSLEY. (1 oz. for 150 feet of drill.)					
Champion Moss Curled. Densely crimped and curled, dark green leaves.	10	15	40	1.25	
Emerald Henderson's. Finely cut mossy leaves.	10	25	80	3.00	
Extra Double Curled. A popular fine dwarf, beautifully curled sort.	10	15	40	1.40	

PEAS. (1 quart to 100 feet of drill; 2 to 3 bushels for an acre.)					
We will deliver Peas in packets, pints and quarts free. For larger quantities if ordered by Parcel Post add postage at zone rates on page 2 of cover. Postal weight 1 lb. per pint.					
	Pkt.	Pt.	Qt.	¼Pk.	Pk.

	Pkt.	Pt.	Qt.	¼Pk.	Pk.
Alaska Height, 2 ft. A wonderfully early, smooth, blue pea; pods are filled with smooth blue-green Peas. (See engraving)	10	35	60	2.30	4.50
First of All, Henderson's. Height, 2½ feet. One of the earliest peas grown.	15	45	80	2.75	5.00
Prosperity, Henderson's. Height 2½ feet. The quickest growing wrinkled pea.	15	45	80	3.00	5.50
The Amer. (or "Mammoth Alaska" Pea). This early variety—often called the "Mammoth Alaska"—is rapidly growing in favor. It resembles Alaska, the vine being more vigorous, a little taller or about 3 feet in height and the pods and peas are fully one-third larger. It is a heavy producer of handsome dark green pods containing from 5 to 7 large blue-green round peas of excellent quality. The crop ripens about three days later than Alaska.					
	10	35	60	2.30	4.50

PUMPKIN. (1 oz. for 30 to 50 hills.)					
Delivered free in the U. S.					
	Pkt.	Oz.	¼Lb.	Lb.	
Cheese. The most popular for pies and table use; large, flat-round; creamy-yellow skin; thick, orange flesh of fine quality; a splendid keeper.	5	20	50	1.50	
Connecticut Field. A productive, large, orange colored, field Pumpkin.	5	10	35	1.25	
RADISH. (1 oz. for 100 feet of drill; 9 to 10 lbs. in drills for an acre.)					
Early White-Tipped Scarlet Turnip.	5	15	45	1.25	
Rapid Forcing. Small, round, bright scarlet, with white tip; grows quickly.	10	20	60	2.00	
Red Forcing. Extra-early, maturing in 21 days; round, bright red, very mild.	10	20	50	1.50	
French Breakfast. A favorite oval-shaped, bright scarlet Radish, with white tip.	5	15	45	1.25	



TRIANON COS LETTUCE



GRAND RAPIDS LETTUCE



ALASKA PEA

Our Pamphlet "SALADS—GROWING AND BLANCHING" sent with order if requested.

HENDERSON'S TESTED VEGETABLE SEEDS FOR SUMMER SOWING

Delivered free in the U. S.



WHITE SUMMER TURNIP RADISH



WHITE BUSH SCALLOPED SQUASH



SWISS CHARD



EARLY WHITE FLAT DUTCH TURNIP

RADISH (Continued).

	Pkt.	Oz.	¼Lb.	Lb.
Scarlet Olive-Shaped. An oval-shaped variety, maturing in 25 days; Flesh-white, crisp and mild.....	5	15	45	1.50
Philadelphia White Box. A good variety for cold frames; keeps firm a long while; we sell a very superior stock.....	10	15	45	1.50
Long Scarlet Short Top. White mild flesh; grows 6 inches in length; matures in 25 days.....	5	15	45	1.50
Long White Vienna, or Lady Finger. Tapering shape, about four inches long, mild and tender; matures in about 25 days.....	10	20	50	1.75
White Summer Turnip. A flat-round, early summer Radish 2 inches in diameter; white and tender; ready to use in 30 days. (See engraving)	5	15	45	1.50
Chartier. A summer Radish, long and handsome top crimson fading to white at tip.....	5	15	45	1.50
Celestial, or White Chinese. Grows to an enormous size; flesh firm, mild and crisp.....	10	20	60	2.00
Half-Long Black Spanish. Flesh-white, compact and the mildest flavored of this type; good keeper.....	10	20	50	1.75

RUTA BAGAS. For Table Use. (See also page 4.)
Sow 1 oz. for 100 feet of drill, 2 or 3 lbs. per acre in drills.

Henderson's Long Island Improved Ruta Baga.
It is very large, has no neck, and is a remarkably good keeper, the flesh is rich yellow, and of fine quality.....

10 20 60 2.00

Improved American Purple Top. Considered the standard American Ruta Baga by most growers. Very popular both for stock or table use.....

10 20 60 2.00

SPINACH. (1 oz. for 100 feet of drill; 10 to 12 lbs. in drills for an acre.) Varieties marked * should be sown in the fall in latitude of New York for spring crop.) (See also page 4.)

Long Season, Henderson's. Very slow in running to seed.....

10 15 45 1.50

Long Standing. An excellent, compact variety; thick, fleshy, dark green leaves.....

5 10 30 1.00

Norfolk, Savoy-Leaved. The best for late fall.

5 10 30 1.00

Round-Leaved or Dutch. A standard variety...

5 10 30 1.00

***Thick-Leaved, Henderson's.** Produces large, thick crumpled leaves of fine quality.....

10 15 40 1.25

Victoria. Stands in prime condition long after other varieties have bolted to seed.....

5 10 30 1.00

***Viroflay, Large Round-Leaved.** Very hardy...

5 10 30 1.00

SQUASH. Summer Varieties.

(Bush varieties, 1 oz. for 50 hills; 5 to 6 lbs. per acre.)

Vegetable Marrow Bush. An English variety, oblong, yellow fruits 10 to 15 inches in length; flesh, tender, marrowy and delicious.....

10 25 85 3.00

White Bush Scalloped. The white "Patty Pan"; free cropper. (See engraving.).....

10 20 60 2.00

Yellow Bush Summer Crookneck. A bush variety, early and prolific; densely warted.....

10 20 60 2.00

SWISS CHARD. The "cut and come again" vegetable. (See engraving.).....

5 15 45 1.50

TURNIP. (1 oz. for 150 feet of drill or 2 lbs. in drills per acre.)

Early Purple Top Milan. The earliest Turnip in cultivation.....

10 25 75 2.50

Early Red Top Strap Leaf. A popular variety of quick growth; flesh white and of excellent quality.....

5 15 45 1.50

Early White Flat Dutch. An excellent early, white, flat Turnip; flesh mild. (See engraving)

5 15 45 1.50

Long White, or Cowhorn. A long, white-fleshed Turnip growing half above ground; it is of fine quality.....

5 15 45 1.50

Snowball. An excellent white round variety.....

10 20 55 1.75

Purple Top White Globe. A large globe-shaped variety; white flesh, fine-grained, tender and sweet.....

10 20 60 2.00

Yellow Globe. A yellow-fleshed, globe-shaped variety, of large size; a splendid winter keeper; excellent for both table and stock.....

.05 .15 .45 1.50

Our Leaflet "GARDEN CULTURE OF ROOT CROPS" sent free if asked for.

A SELECTED
LIST OF

FARM SEEDS

FOR SUMMER
SOWING

A special List of farm seeds sent free on application.

Purchaser pays transportation on Farm Seeds. If wanted by Parcel Post add postage according to Zone rates on page 2 of cover.

MANGEL WURZEL and SUGAR BEETS.

The best soil for Mangels is friable loam deeply plowed and in such soil the yield is from 20 to 30 tons per acre. The ground should be well enriched and the seed sown in drills 24 inches apart in light soil, and 30 inches apart in strong rich land. Thin out the plants to 9 inches apart in the former and 12 inches apart in the latter. Sow 6 to 8 pounds of seed per acre if sown with a drill, or double that quantity if sown by hand.

Colossal Long Red (Henderson's). A valuable improved and distinct variety. Extra large, long roots; very nutritious. Price, $\frac{1}{4}$ lb., 25c.; lb., 75c.; 10 lbs., at 70c. lb.

Champion Yellow Globe (Henderson's). Smooth large, round roots; yellow flesh. Price, $\frac{1}{4}$ lb., 25c.; lb., 75c. 10 lbs., at 70c. lb.

Giant Intermediate (Henderson's). Big yielder; handsome, large ovoid roots. Price, $\frac{1}{4}$ lb., 25c.; lb., 75c. 10 lbs., at 70c. lb.

Golden Tankard. Flesh yellow, thus differing from other varieties; sheep prefer it; heavy yielder. Price, $\frac{1}{4}$ lb., 25c.; lb., 75c.; 10 lbs. at 70c. lb.

NEW HALF SUGAR MANGEL.

As seed of the different varieties of sugar beet is almost unobtainable this season, we would recommend planting for stock feeding the improved breed of New Sugar Mangel offered below.

This is distinctly a new variety of Mangel, and is the result of careful interbreeding between White Sugar Beet and Colossal Long Red Mangel. It certainly approaches nearer to a Sugar Beet than any other known variety of Mangel, and by analysis it has been shown that it is very rich in saccharine matter. Its growth is very rapid, so that it matures much more quickly than other varieties, and on that account it may be sown at a later date. The bulb is very uniform, of good shape, and has a single taproot. When singling it may be left much more closer in the rows, than larger growing Mangels, and it will yield remarkably heavy crops.

Half Sugar Red, per $\frac{1}{4}$ lb., 25c.; lb., 75c.; 10 lbs., 70c. lb.

Half Sugar White, per $\frac{1}{4}$ lb., 25c.; lb., 75c.; 10 lbs., 70c. lb.

RUTA BAGA, RUSSIAN OR SWEDISH TURNIPS

The Ruta Baga is important for stock feeding purposes and can be sown quite late. It grows very rapidly and yields from 25 to 35 tons per acre, in good rich deep soil, with proper cultivation. The Ruta Baga proper should be sown in this latitude from May 25 to June 25. If sown then, it should be in rows, 30 inches apart, and the plants thinned with a hoe to 12 or 14 inches apart, but if sown a month later, the distances between the rows and between the plants may be 8 inches. Sow 2 or 3 lbs. per acre.

Long Island Improved Purple-Top. It is perfectly hardy, and produces almost twice the weight per acre of any other variety. \$2.00 per lb.

Improved American (Purple-Top). Very hardy and productive; flesh yellow, solid, sweet and fine-flavored; equally good for stock or table use. \$2.00 per lb.

Large White French. Flesh firm, white and solid; large size, and has a very rich flavor. \$2.00 per lb.

MILLET FOR SUMMER SOWING.

Millet is valuable as "catch" or "stolen" crops, especially in seasons when the hay crop is short. They are annuals and grow rapidly, usually being ready for cutting in six weeks from seed sowing. They withstand severe droughts, when other crops are parched up. If cut when in blossom, millets cure into excellent hay; if allowed to ripen they become too woody. Sow from May 1st to August 1st.

Hungarian Millet. Is the quickest of catch crops for hay, and may be sown any time up to middle of August; it is invaluable for overcoming a shortage of the regular hay crop. Many farmers now occupy their land with other crops, and for their hay depend entirely on Hungarian Grass, which they can sow after other crops have been harvested. Sow 1 bushel per acre. Price \$3.50 bushel of 48 lbs.; 10 bushels and upwards, \$3.40.

Golden Millet. This variety is considerably larger than Hungarian and yields a much heavier crop, but is later and not so quick growing, consequently cannot be sown after the fourth of July in this latitude. Our seed is specially selected. Sow one bushel per acre. \$4.00 bushel of 50 lbs.; 10 bushels and upwards, \$3.90 bush. (See engraving.)

Japanese Millet. Entirely distinct from any other Millet, grows 6 to 8 feet high and produces an enormous crop, yielding 10 to 12 tons green fodder per acre. When cured it

makes excellent hay, and is much relished by all kinds of stock, whether green or cured. Cure as you would a heavy crop of clover. This Millet does not endure drought well, but north of Washington we confidently recommend its general cultivation.

Sow from the middle of May to the 1st of July, broadcast at the rate of 15 lbs. per acre, but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and hoe between the rows to keep down all weeds, until the plant attains a height of 12 to 18 inches, when its rapid growth will smother all weeds. Prices 18c. lb., 10 lb. \$1.50., 100 lb. \$12.00.

SAND OR WINTER VETCH. *Vicia Villosa*. Is perfectly hardy, remaining green all winter. It should be sown during August and September, mixed with Rye, which serves as a support for the plants, or in Spring with Oats or Barley.

It grows to a height of 4 to 5 feet and is the earliest crop for cutting, being a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting Spring crops. It is exceedingly nutritious, and may be fed with safety to all kinds of stock.

Sow one bushel per acre with one-half bushel of Rye or Wheat. Price, 22c. lb., \$11.50 bushel of 60 lbs. 100 lbs. \$18.00.

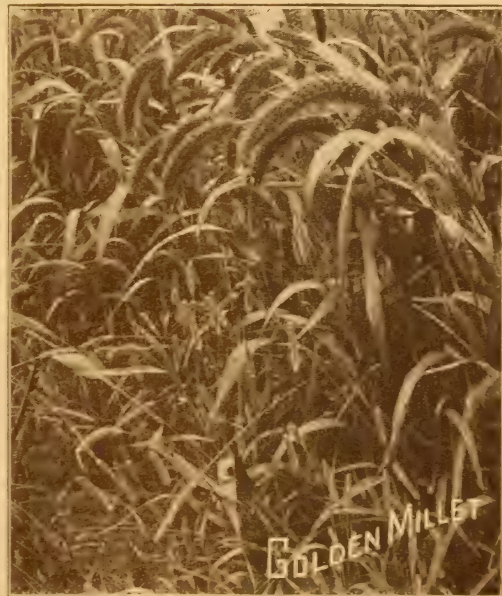
JAPANESE BUCKWHEAT.

Introduced into cultivation by us in 1887. Japanese has superseded all others and is now almost universally grown in preference to the common black and Silver Hull varieties. Flour made from it is greater in quantity and equal in quality, if not superior to that of any other Buckwheat. It ripens a week earlier than Silver Hull and yields two or three times as much. Price, 75c. a peck, \$2.50 per bushel of 48 lbs., 10 bushels lots, \$2.40 per bushel.

HENDERSON'S RECLEANED CRIMSON OR SCARLET CLOVER FOR SUMMER SOWING

All lands from which crops have been harvested during the Summer and Fall should be sown with Scarlet Clover, plowing under the following Spring. Authorities who have made a careful estimate, state that plowing under a good crop of Scarlet Clover is equivalent to 20 tons of stable manure per acre.

It may be sown among corn, tomatoes, turnips, etc., at time of last hoeing, or after potatoes, melons, cucumbers have been harvested, or on grain stubble and harrowed in. When sown in July and early in August, it has proved hardy as far North as Michigan and Canada. In the latitude of New York, time of sowing may extend from July 15 to September 1st, and further South even later. Sow 15 lbs. per acre. Price, choice recleaned highest quality, new crop seed 22c. lb., \$11.50 bushel of 60 lbs.; \$13.00 per 100 lbs.



Prices of Farm Seeds are subject to change without notice.



HENDERSON'S
SPECIAL
GRASS SEED
MIXTURE
FOR HAY
AND
PERMANENT
PASTURE



The fall season is especially favorable to the growth of young grass, for at that season the seeds have the benefit of thoroughly warmed ground and a copious rainfall, which hastens germination and enables the grass to become firmly established before winter sets in. Then, on the opening of spring, the grass immediately recommences its growth and taking full possession of the ground, prevents weeds from obtaining a foothold

Henderson's Special Grass Seed Mixture FOR HAY AND PERMANENT PASTURE.

It Produces Wonderful Hay Crops and Luxuriant Pasture Maintaining Its Cropping Qualities Twenty Years or More.

This famous mixture has seeded thousands of acres of meadow and pasture land for progressive farmers and stock raisers in various parts of the United States, with most gratifying results. It is a well-balanced combination of a number of native and acclimated foreign Grasses and Clovers, blended and improved upon during exhaustive trials under widely varied conditions, soils and localities for several years, until practically perfect, our aim being to produce, under the extremes of the American climate of heat, drought and cold, a PERMANENT, dense and deep-rooting turf that would yield year after year the maximum quantity of forage. These Grasses are of superior quality, inviting, sweet and nourishing, whether used as hay or pasture. That we have been successful is attested by the numerous letters of praise for these special Grass mixtures that we have received from the users, and the tributes to their merits published in many of the agricultural journals.

In preparing these mixtures the greatest care is exercised in selecting such varieties as are suited to the soil to be sown, and to realize the object in view. Therefore a description of the soil and climate, and the purpose for which sown, and if with or without a grain crop, should accompany each order. Sow 40 lbs. per acre. Full directions for sowing enclosed in every bag. (See engraving.)

Price (purchaser paying carriage), 40c. per lb.: 10 lbs. \$3.75; 100 lbs., \$35.00. (State whether wanted for light, medium or heavy soils.)

WE ALSO OFFER

Henderson's Special Grass Mixture for Permanent Pasture
Henderson's Special Grass Mixture for Permanent Hay
Henderson's Renovating Mixture for Improving Old Pastures

Henderson's Special Grass Mixture for Woodland Pastures
Sow 40 lbs. per acre

Price (purchaser paying carriage), 40c. per lb.: 10 lbs., \$3.75; 100 lbs. \$35.00.

REGARDING CLOVERS.

Do not omit to sow Clovers with the Grasses, as they add to the yield of hay and pasture, and by their ability to collect atmospheric nitrogen and store it in the root nodules, assist the growth of the Grasses and are of considerable benefit to subsequent crops.

Mixed Permanent Clovers, on account of their greater weight, should be sown separately, but at the same time as the Grasses. This Mixed Clover comprises White, Mammoth Perennial or Cow Grass, Alsike, etc. Sow 10 pounds per acre. Price, 45c. per lb.; 10 lbs., \$4.25, 100 lbs., \$40.00.

Henderson's Northern Grown Alfalfa Seed.

ALFALFA, or LUCERNE. (*Medicago sativa*.) A Clover-like leguminous plant of great importance as a hay and forage crop, nutritious and rich in protein elements. It grows 2 to 5 feet high and sends roots 5, 10, 20, and sometimes 30 feet into the subsoil. It needs one season to become established, after which it yields enormous crops annually for many years. 3 or 4 cuttings per season, aggregating 4 to 6 tons cured hay per acre, are harvested, according to conditions and locality. It does well on all good rich soils (except heavy clay), if well drained, or overlying a permeable subsoil; on calcareous soil it thrives especially well. Sow in the Northern States during June, July or August, 30 to 40 lbs. of seed per acre if broadcasted, or 25 to 30 lbs. if drilled. In the South sow in February or September. Price, 40c. lb.; \$21.75 bushel of 60 lbs.; \$35.00, 100 lbs.

Send for our special List of Farm Seeds. It is sent post free.



A SELECTED LIST FOR SUMMER SOWING OF HENDERSON'S PERENNIAL FLOWER SEEDS.

Hardy gardening is becoming more popular in America every year. To meet the increasing demand for seeds of perennial plants we append a list of the leading sorts, which if sown this summer will produce plants that will flower next season. Biennials grow from seed one year, bloom and die the next. Perennials last for several years, blooming annually from seed after the first season. Cultural directions are printed on each packet.

The great charm of Perennials lies in their permanence. Once established they are a constant source of pleasure, and among the most interesting plants in our gardens, presenting a variety of size, form and color so great as to fit them for almost every conceivable purpose in the garden. Some may be made to thrive under most unkind conditions while others are adapted to the most skillful cultivation. A very large proportion of the Perennial plants that may be grown from seed have great value as cut flowers, particularly so because of their great substance, which enables them to stand up well long after cutting. In the matter of arrangement they offer an almost endless choice. Some grow into majestic plants, which may stand as single specimens, others may be used for conspicuous display in masses or clumps, while others are of great value as border plants. Notwithstanding their individual charm, they are most effective when planted in a mixed border, where by arranging them according to height, color and season of flowering, an attractive display may be had from the earliest days of spring, all through the summer, and even after the first frosts herald the approach of winter. And so, week by week, as sure as the season revolves such a border will present new charms and revive old ones, the beauty of it growing with ever-increasing interest. Perennials are generally raised from seed sown from early spring to about August 1st, in the latitude of New York. Treated thus, they make strong plants which may be planted in a permanent situation early enough in the fall to enable them to winter safely. In some instances plants will flower the first year from seed if sown quite early, but nearly all require a year to reach their best development.

HENDERSON'S "GARDEN BEAUTIFUL" COLLECTIONS.

HENDERSON'S "GARDEN BEAUTIFUL" COLLECTION OF HARDY PERENNIAL FLOWER SEEDS FOR GARDENS, BORDERS AND GROUPS

(These flower from seed the second year and thereafter.)

- 4711 Collection of 24 Kinds, Enumerated Below, \$1.25 }
4712 Collection of 12 Kinds, Prefixed X for 75c. } Postpaid

- Achillea, The Pearl. Double white flowers, borne profusely in summer.
- X Alyssum Saxatile Compacta. Spring-blooming, hardy yellow Alyssum.
- X Aquilegia or Columbine, Large-Flowering Hybrids. Beautiful new colors.
- X Asters, Hardy, Large-Flowering Hybrids. Improved Michaelmas Daisies.
- Canterbury Bells, Calycanthema, Mixed. The "Cup and Saucer" type.
- Candytuft, Gibraltica. Rose and white hardy Candytuft.
- X Carnation, Hardy Garden, Mixed Colors. Double fragrant flowers.
- X Coreopsis Lanceolata, Harvest Moon. Large golden-yellow flowers.
- X Delphinium, Large Single Hybrids, Mixed Colors. Perennial Larkspurs.
- X Dianthus Plumarius, Double Mixed. The Pheasant's Eye or Grass Pink.
- X Digitalis Gloxinoides, Mixed. The finest strain of Foxglove, various colors.
- Gaillardia Grandiflora Maxima Mixed. Flowers, red, yellow, etc.
- X Hollyhock, Extra Choice Double, Mixed Colors. Many beautiful colors.
- Lobelia, Hardy Hybrids, Mixed. Improved types of the Cardinal Flower.
- Pentstemon, Finest Mixed. Large Foxglove-like flowers of brilliant colors.
- Platycodon Mariess, Mixed Colors. Compact bushes with bell-shaped flowers.
- X Poppy, Hardy Oriental Hybrids, Mixed. Immense flowers, 6 inches across.
- Pyrethrum, Large-Flowering Hybrids, Mixed. Single Daisy-like flowers.
- X Scabiosa Caucasica. Saucer shaped flowers, of lovely light blue.
- Stokesia Cyanea. The Hardy Cornflower Aster, blue flowers, 4 inches across.
- X Sweet Rocket, Mixed Colors. Fragrant purple or white flowers.
- X Sweet William, Large-Flowering, Single, Mixed. Rich colors.
- Tritoma Uvaria Grandiflora (Red-Hot Poker). Spikes of fire-red flowers.
- Wall-Flower, Double Large-Flowering, Mixed Colors. Fragrant flowers.

HENDERSON'S "GARDEN BEAUTIFUL" COLLECTION OF SEEDS OF

HARDY CLIMBING PLANTS

(These are Perennials, flowering after the first year.)

- 4731 Collection of 8 Kinds, Enumerated
Below, 50 Cents.

- Ampelopsis Veitchii. The Japanese or Boston Ivy, clings to walls, etc. 30 ft.
- Aristolochia Sipho. Dutchman's Pipe Vine, luxuriant climber. 30 feet.
- Asparagus Verticillatus. Feathery foliage, scarlet berries. 10 feet.
- Bignonia Grandiflora. Trumpet Creeper clusters of orange-red flowers. 40 ft.
- Clematis Paniculata. A mass of white star-like flowers in autumn. 30 ft.
- Kudzu Vine. Grows rapidly; Pea-shaped, Purple flowers. 40 to 50 feet.
- Lathyrus Latifolius, Mixed Everlasting Pea. Sweet Pea-like flowers. 6 to 8 ft.
- Wistaria Sinensis. Pendant clusters of blue flowers. 25 to 40 feet.

Henderson's GARDEN GUIDE AND RECORD

described on page 2 of cover

Free with orders of \$2.00 or over

Includes Growing Flowers from Seeds Aid to Selection for Different Purposes. List of Fragrant Flowers, etc.



ARISTOLOCHIA OR DUTCHMAN'S PIPE

PERENNIAL FLOWER SEEDS

FOR
FALL AND
SUMMER
SOWING



DOUBLE AQUILEGIA

	Pkt.		Pkt.
ACHILLEA, The Pearl. A greatly improved variety of this old, hardy garden favorite <i>A. Ptarmica</i> fl. pl. The Pearl produces larger double pure white flowers in clusters on long stems from spring until frost. Splendid cut flower; 2 feet.....	.10	AQUILEGIA—Continued.	
ALYSSUM, Saxatile Compacta. A beautiful dwarf hardy perennial for spring beds or edging a flower border. The flowers are produced in large clusters and are of a deep pure yellow; $\frac{1}{4}$ foot.....	.10	Double-Flowering, Long Spurred Hybrids. Beautiful long-spurred, large, double flowers.....	.25
AMPELOPSIS Veitchii. Boston or Japanese Ivy, valuable hardy climber, clinging to wood, stone or brick walls; dense ivy-green foliage, changing to red in autumn; 30 feet.....	.10	Bell-Flowered Columbine. (<i>Aquilegia Clematiquilla</i> .) A beautiful new spurless type producing large open bell-shaped flowers of many colors, shades and combinations, including sky blue, pink, deep blue, purple, violet, lavender, white, flesh, rose, maroon, salmon, etc., in mixture.....	.25
ANCHUSA Italica (Dropmore). A fine, large, hardy herbaceous plant; 4 to 5 feet high, with flowers of lovely Gentian blue.....	.15	Chrysanth. The beautiful long-spurred yellow.....	.10
ANEMONES (A. St. Brigid.) These beautiful Irish Poppy-flowered varieties produce in abundance large single, semi-double and double flowers 3 to 5 inches across, in an endless variety of colors, from maroon and brightest scarlet to flesh-pink and from lilac to purple. For cutting they are unsurpassed, and in the garden they flower until after frost; hardy perennials flowering from seed the second year and thereafter.....	.15	Coerulea Hybrid. Rocky Mountain variety, long-spurred flowers of white and blue.....	.15
ANTIRRHINUM, Giant Flowering. These improved "Snapdragons" form brilliant garden beds, flowering profusely and continuously during the summer and fall. They grow about 2 feet high. The flowers are nearly double the size of the older sorts.		ARISTOLOCHIA Sipho. Dutchman's Pipe Vine. Hardy climber; has large leaves, making dense shade; flowers mottled yellow and brown 30 feet.....	.10
Tall Giant-Flowering Mixed. Per 1000 seeds 60c....	.15	ASPARAGUS Verticillatus. Hardy climber, with feathery foliage and scarlet berries; 10 ft.....	.10
The following separate colors.....each	.15	ASTER, Hardy, New Large Flowering.	
Blood-Red Maroon		These "Michaelmas Daisies" are splendid subjects for permanent positions in the herbaceous border where they form large bushy clumps, $1\frac{1}{2}$ to 2 feet high, and are covered with clusters of large single flowers during the late summer months.	
Deep Rose Pink Orange-Scarlet. White throat		White Queen. Pure white single flowers.....	.15
Deep Scarlet White		Alpinus Goliath. Lilac with yellow center.....	.15
Light Pink Yellow		Hardy Asters, Mixed Colors. New Hybrids.....	.10
Collection, 1 pkt. each, 8 separate colors.....	1.00	BELLIS, or Double Daisy. Greatly improved varieties of the popular "Double Daisies." Admirably adapted for edgings, borders and low beds. It is preferable to sow the plants in cold frames in fall and winter; $\frac{1}{4}$ foot.	
Semi-Dwarf Giant-Flowering. These semi-dwarf varieties produce flowers as large as the tall sorts, while the plants are of compact, bushy growth, only a foot high, and are completely covered with flowers throughout summer and fall.		Longfellow. Extra large double rose-pink flowers... ..	.10
Albino. Cream flushed pink.....	.10	Snowball. Large, double, pure white flowers.....	.10
Picturatum. Blotched and spotted.....	.10	Red. Densely double flowers, glowing rose red,....	.10
The Bride. Pure white.....	.10	Mixed Colors.....	.10
Scarlet.....	.10	Monstrosa. These new "Double" daisies surpass all strains of this popular hardy plant in strong robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers that measure two inches across, carried on long strong stems.	
Yellow.....	.10	Monstrosa Double White.....	.20
Coral-Rose.....	.10	" Double Rose.....	.20
Mixed Colors. Per 1000 seeds, 40c.....	.10	" Double Mixed.....	.20
Collection, 1 pkt. each of above 6 separate colors.....	.50	BIGNONIA Grandiflora. The hardy trumpet Creeper, clusters of large orange-red flowers picturesquely effective on arbors, old trees, etc.; 40 to 50 feet... ..	.10
AQUILEGIA (Columbine.) Hardy garden perennials. Very effective when grown in beds or the herbaceous border. Height $1\frac{1}{2}$ to 3 feet.		BOLTONIA Asteroidea. Hardy perennial, growing 6 feet in height, producing single white Marguerite-like flowers during summer and autumn.....	.10
Henderson's American Hybrid Columbine. The plants are robust; the flower stems, often 40 inches in height, carry clusters of immense long-spurred, single flowers. The colors are superb.....	.25	CAMPANULA Bell-Flower.	
Single, Large-Flowering, Mixed colors.....	.10	Campanula Persicaefolia grandiflora. (Peach leaved Bell-Flowers), handsome, hardy perennials, throwing up spikes 2 or 3 feet high; bearing during summer large, bell shaped blossoms of blue or white.	
		White.....	.10
		Blue.....	.10
		Campanula pyramidalis. Mixed Colors. The favorite "Chimney Bell-Flower," a hardy biennial—tall spikes of bell-shaped blossoms in shades of blue and white; height, 4 to 5 feet.....	.10



PERENNIAL FLOWER SEEDS

FOR
SUMMER
SOWING
(Continued)



CAMPANULA Bell Flower—Continued.

Pkt.

- Campanula pyramidalis compacta.** Mixed Colors. Dwarfed and more compact in growth than the old pyramidalis—attaining a height of only 2 to 3 feet. They bloom freely and the flowers are equally as large; colors, various shades of blue and white.... 10
- CANDYTUFT, Hardy.** Compact-growing, hardy perennial plants, admirably adapted for permanent front rows of borders or for low clumps or beds.
- Gibraltica.** Showy, large-growing, red and rosy-white; 1 to 2 feet..... 10
- Sempervirens.** Completely covered with heads of white flowers in spring; 1 foot..... 15
- CANTERBURY BELLS.** Hardy biennial, 2½ feet high producing large, bell-shaped flowers of exquisite colors. The "Cup and Saucer" varieties (*Campanula Calycanthema*) produce beautiful single flowers 3 in. in length, saucers 3 to 4 inches across
- Media (Canterbury Bells) single mixed.**..... 10
- The following separate colors, single blue, rose, or white, each.**..... 10
- Media double mixed.**..... 10
- The following separate colors, double white, double rose, or double blue, each.**..... 10
- Calycanthema mixed "Cup and Saucer" varieties.**.... 10
- The following separate colors, calycanthema blue, striped, rose or white, each.**..... 10
- CERASTIUM Tomentosum (Snow in Summer).** A procumbent, hardy perennial, having white foliage and a profusion of small white flowers. Very pretty as an edging plant..... 15
- CARNATION, Hardy Garden.** Double Mixed. Will produce large clumps that will stand out over winter and bloom throughout the following summer and fall. Extra fine strain. Per 500 seeds, 50c. 10
- CHRYSANthemUM Single Hardy.** The large flowering single white hardy Daisy—*Chrysanthemum leucanthemum maximum*—long considered one of our finest hardy perennials for garden decoration.
- King Edward** forms a bushy, plant 18 inches high, producing, during late summer and fall, magnificent large white flowers, 3 to 4 inches across..... 10
- Little Gem.** A new dwarf variety, only 15 to 18 inches high, of even bushy growth; blooming very early, and bearing large, white flowers on long stems. Splendid for herbaceous borders..... 25
- Shasta Daisy.** Produces pure white flowers 4 inches or more across, on stems 1½ to 2 feet in length. Plants, 2 to 2½ feet in height..... 15
- CLEMATIS Paniculata.** One of the finest hardy perennial climbers. Covered from the ground to the summit with pure white fragrant flowers. 12 feet.... 10
- Large-Flowering, Mixed (Jackman's).** Flowers 3 to 4 inches across of charming shades of blue, white, purple, lavender, etc.; 10 to 12 feet.... 10
- COREOPSIS Harvest Moon.** One of the finest hardy garden plants grown, forming large clumps 2 to 3 feet high. It produces immense, long-stemmed, rich yellow flowers, shaded with orange, flowering in profusion for a long period..... 10

COREOPSIS—Continued.

Pkt.

- El Dorado.** The long-lasting flowers are simply perfect, measuring 3 inches and over in diameter, and are borne on stalks 15 to 18 inches in length. Color, brilliant golden yellow. Compact, bushy plants—about 2 feet high—blooming abundantly during summer and fall..... 10
- COWSLIP. (Primula veris).** This beautiful spring-flowering dwarf hardy perennial bears clusters of fragrant flowers of various colors, as yellow-brown, edged yellow, etc. They are particularly pretty when grown in good sized colonies in partially shaded situations. Height, 6 inches..... 10
- DELPHINIUM, or Hardy Larkspur.**
- Giant Single and Double Superb Hybrids.** A splendid race of these popular hardy garden plants. The blossoms are of immense size, single, semi-double and double, dressing the graceful, towering spikes for from 2 to 5 feet of their length. The colors range from white and lavender through every shade of blue from azure to indigo and purple, several shades being blended in some of the varieties. The plants grow from 6 to 10 feet in height and are very desirable and valuable in the garden during the spring and early summer. These improved hybrids should, to get the best effect, be planted in groups dotted here and there at intervals in the herbaceous border. The lighter colors look particularly well when planted in front of shrubbery where they will be thrown into strong relief. Delphiniums are also very beautiful for house decoration shown in vases. By cutting off the spikes immediately after flowering, these Delphiniums may be had in bloom for several months. Mixed Colors.
- Per 1000 seeds \$1.00.**..... 25
- Hybridum Belladonna Fanny Stormonth.** A greatly improved variety of the "Belladonna" Larkspur; early and continuous blooming, light azure-blue color, flowers larger, on stems 5 to 7 feet high. 15
- Formosum.** Deep blue, white centre; 2 to 3 feet.... 10
- Single, Fine Mixed Colors.**..... 10
- DIANTHUS, Hardy, Grass or Spice Pinks.**
- Dwarf Large Double-Flowering Grass or Spice Pinks. (Dianthus Plumarius Nanus, fl. pl.)** In these new Pinks the color refers to the center of the flowers, the remainder being white or blush with a band of color near the margin; the colors include blood-red, rose, maroon, purple, pink, blush, spotted, laced, variegated, etc. They are perennial garden plants, about 1 foot high, vigorous, hardy, and flower profusely during spring and early summer. The flowers are large, double, beautifully fringed, and emit a clove-like perfume. Mixed colors..... 25
- Perfection Pinks.** A superb strain of the hardy Grass Pink—*Dianthus Plumarius*—bearing enormous double flowers of perfect form. Smooth round petals of pure white, edged with deep crimson, very fragrant. 15
- Crown "Grass" Pinks.** A new race with branching flower stalks 10 to 12 inches high, carrying large fragrant single, and semi-double flowers with fringed petals; colors, white, crimson, rose-lilac, etc. Each flower marked in the centre with a crimson or purple crown. They flower from May to July..... 15



LUPINUS

PERENNIAL FLOWER SEEDS

FOR
SUMMER
SOWING

(Continued)



MYOSOTIS—RUTH FISCHER

- DIANTHUS, Hardy, Grass or Spice Pinks—Continued.**
Plumarius, double mixed. The favorite Pheasant's Eye or Grass Pinks 1 foot..... 10
- DIGITALIS or Foxglove. Gloxinia-Flowered.**
These improved Foxgloves are very showy, hardy plants; they are easy to grow and produce freely, spikes, 4 to 5 feet high, well furnished with large Gloxinia-like flowers of various colors, including white, cream, rose, red and other shades.
White, spotted..... 10 Purple, spotted..... 10
Lilac, spotted..... 10 Rose, spotted..... 10
Mixed colors. (Gloxinoides)..... 10
Grandiflora. Yellow. Very charming flowers of soft chrome-yellow on 3-foot spikes..... 10
Monstrosa. Long spikes of large flowers, many of which are beautifully spotted, etc., but the striking feature of this strain is the enormous bell-shaped blossom that tops each spike of flowers. Mixed colors 15
- GAILLARDIA Giant Hardy Hybrid.** The flowers often 4 to 5 inches across, and very highly colored, as scarlet with gold edge, blood-red with yellow edge, yellow with orange disk, golden with scarlet border pure yellow, fiery-crimson and many others. These magnificent Gaillardias are hardy perennials, compact in growth and produce a constant succession of flowers summer and fall. Mixed colors..... 10
- GYPSOPHILA "Paris Market."** An improved large-flowering variety of *G. elegans*. It forms branching plants about 2 feet high, fairly smothered all summer long with graceful clusters of snow-white flowers half an inch across. A pretty garden annual, and of great value for bouquets, vases, etc..... 10
Double-flowering (*G. paniculata fl. pl.*). A new type bearing racemes of double white flowers which last long in perfection; 50% will come double, the balance single-flowering plants..... 25
- HOLLYHOCK Hardy Double.** Grand summer and autumn flowering plants, bearing long spikes of double flowers 3 to 4 inches across. They are old inhabitants of our gardens, but are now so improved in doubleness and enlarged in size, as to be revelations of beauty to those who have not seen these improved sorts. Hardy biennials 5 to 8 ft. high...
Double Canary-yellow..... 10
"Crimson..... 10 Double Pink..... 10
"Lavender..... 10 "Purple..... 10
"Maroon..... 10 "White..... 10
"White Violet Center..... 10
Extra Choice Double Mixed. From named varieties. 500 seeds, 50c..... 10
- Imported Collections of Double Hardy Hollyhocks.**
6 separate colors, 40c.; 12 separate colors 75c.....
Single-flowering Hollyhocks, mixed colors, 500 seeds, 35c..... 10
- Allegheny Hollyhocks.** Mixed colors. Semi-double fringed flowers. 500 seeds, 50c..... 10
- Henderson's Ever-Blooming Annual Hollyhocks.** Grand Combination Mixture of doubles and semi-doubles, including all colors, shades and variegations. Per 500 seeds, \$1.00; Pkt..... 15
- HIBISCUS, Hardy Varieties (Marsh Mallows).** These are showy hardy bushy plants, 3 feet high, bearing immense bowl-like flowers often 6 inches across.
Giant Rainbow. A grand hardy perennial shrub, growing from 5 to 6 feet high, producing beautiful single flowers 6 to 8 inches in diameter, the colors range from white and pink to many shades of red and crimson, which we offer in mixture. Pkt..... 15
Giant Yellow. Yellow, garnet throat..... 10
- INCARVILLEA Delavayi.** Beautiful plant with long, flexible branches, strong flower stalks 3 ft. high, bearing large tubular flowers of rosy carmine, spotted yellow; throat brown..... 15
- LATHYRUS Latifolius, Hardy Everlasting Peas.** These climb 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. They are adapted to rough places, to scramble over rocks and bushes; splendid cut flowers.
Red..... 10
White Pearl. Large pure white flowers..... 10
Mixed colors..... 10
- LUNARIA Biennis or "Honesty."** Hardy biennial especially useful in shady, damp places; the flowers of purple, crimson or white are followed by silvery transparent seed pods; height, 2 feet. Mixed colors..... 10
- LOBELIA, Hardy.** Tall, hardy perennials with long spikes of brilliant flowers. Fine for permanent beds and borders. They thrive in shady situations; 2 to 4 feet. Mixed colors..... 25
Cardinalis. (Cardinal Flower.) Long spikes of intense scarlet flowers..... 25
- LUPINUS, New Hardy Hybrids.** Showy, hardy perennials 3 to 4 feet in height producing during summer, long racemes of pea-like flowers in a variety of colors (See engraving)..... 10
- LYCHNIS Chalcedonica.** The scarlet Lychnis, an old favorite bearing heads of bright scarlet flowers; very hardy; 3 to 4 feet..... 10
- MYOSOTIS or Forget-Me-Nots.** Well known perennials. "Blue Eyes" (Novelty). A robust-growing variety of fine constitution, exceedingly free-flowering and bears its flowers well on the top. It is 12 inches high, upright and compact in growth, each plant making a bouquet of Forget-Me-Nots. The color is a telling bright blue and when seen in the mass, as a bed, or in rows, is particularly effective..... 25
Ruth Fischer. The plant is compact with glossy dark green foliage, above which are carried large clusters of immense pure Forget-me-not blue flowers, larger than those of any other known Forget-me-not..... 15
Triumph. A large-flowering Forget-me-not. The flowers are large and borne in clusters on long stems. Color, bright turquoise-blue with yellow eye..... 10
Palustris, Large-flowering. Dark-blue; 1 foot..... 10
Victoria. Grand "Forget-me-nots" forming round, compact bushes about 8 inches high.
Blue..... 10 Mixed colors..... 10

PERENNIAL FLOWER SEEDS

FOR
FALL AND
SUMMER
SOWING

(Continued)



SELECTED STRAINS OF PANSY SEEDS FOR FALL SOWING.

HENDERSON'S MAMMOTH BUTTERFLY PANSIES

Have been famous many years for their superior size, perfection of form, marvelous diversity of colorings, superb markings as well as for robust plant growth—deep rooting frost and heat resisting qualities and freedom of bloom. (See engraving). Mixed Colors, 15c. per pkt., 75c. per 1000 seeds.

HENDERSON'S GIANT RUFFLED PANSIES.

A remarkable strain of Giant Pansies, the flowers of which are so large and full that the broad petals seem to be "gathered" to the stem, causing them to be undulated and fluted from center to circumference, not unlike "frilled" velvet. They are nearly all five-blotched and contain rich combinations of coloring. Mixed Colors. Pkt. 15c. Per 1,000 seeds, 75c.

HENDERSON'S MAMMOTH PARISIAN PANSIES.

Distinguished by magnificent and varied colors and strong markings. There is usually a large "blotch" on each of the five petals, with a surrounding band of some strikingly contrasting color, over which is thrown a cobweb-like netting of yet another hue. The combinations are composed of shades of cinnamon, violet, canary, orange-yellow, black, garnet, light blue, indigo, cream, etc. Mixed Colors. Pkt. 15c. Per 1,000 seeds, 75c.

HENDERSON'S GIANT MOTTLED PANSIES

The flowers well-grown measure 3 to 3½ inches across—and of most gorgeous effects, blotched, spotted, marbled, veined, striped and blended, colors passing through reds, rose, pink, white, purple in beautiful and indescribable variegation. Mixed Colors. Pkt., 15c. Per 1,000 seeds, 75c.

VARIOUS POPULAR STRAINS OF PANSIES

	Per 1,000 seeds	Pkt.
Bedding. Finest mixed	.25	.10
Cassier's 5 Blotched Odier. Mixed	.75	.15
Bugnot's Large Strained French. Mixed	.75	.15
English Choicest Show. Mixed	.75	.25

HENDERSON'S SUPERIOR GIANT TRIMARDEAU PANSIES.

Years of scientific culture, hybridization and selection in raising Pansies have gradually evolved a superior race of luxuriant, robust growth and deep-rooting, drought-withstanding qualities; the flowers have also correspondingly improved in size, substance, form and colors.

Customer's selection of any three 10c. pkts. for 25c.

	Per 1,000 seeds	Pkt.
Giant Trimardeau, mixed colors. Per oz. \$4.00	.50	.10
" Canary Bird. Pure yellow no blotches	.60	.10
" Indigo. Blotched black	.60	.10
" King of Blacks. Coal black	.60	.10
" Lord Beaconsfield. Lavender and violet	.60	.10
" Madame Perre. Light colors marbled	.60	.10
" Carmine purple	.60	.10
" Mercury. Blackish purple	.60	.10
" Morning Dawn. Vermillion and golden	.60	.10
chamois	.60	.10

TRIMARDEAU PANSIES—Continued. Per 1000 seeds Pkt.

Giant Orchid. Delicate colorings, cream, mauve, blush, etc.	.60	.10
" Peacock, (Gloriosa). Garnet, cream and blue	.60	.10
" Pres. Carnot. White, five large violet blotches	.60	.10
" Purple. (atropurpurea)	.60	.10
" Snow Queen. Pure white, no blotches	.60	.10
" Striped. White, blue, violet and chocolate	.60	.10
" Vulcan. Frilled flowers of blood red blotched purple	.60	.10
" White Treasure. White with violet blotches	.60	.10
" Yellow. Mahogany blotches	.60	.10
Collection of 12 varieties	1.00	

WORLD RECORD PANSIES. Hardy Early-Flowering.

This new race of pansies promises to be an important introduction on account of the extreme hardness of the plants and in consequence their earliness in flowering. With slight protection, such as meadow hay, straw or similar material, full grown plants winter over in the open ground—even in very cold latitudes—and commence flowering in early spring with the Snowdrop and Crocus, or from four to six weeks earlier than other pansies. In fact, we gathered flowers several times during the past winter by lifting the snow-covered hay. They are sweetly perfumed. Pkt.

Celestial Queen. Bright sky-blue, tinted lavender, small yellow eye	.15
Ice King. Silvery white, with deep blue blotch on lower petals	.15
March Beauty. Rich velvety violet-purple, with yellow eye	.15
Winter Sun. Golden Yellow with maroon blotch on lower petals. (See engraving)	.15
World Record Pansies, Mixed Colors	.15
Collection. One package each of above four separate varieties	.50

PENTSTEMON. "Sensation." The graceful spikes, about 2 feet high, are bedecked with flowers, two inches across, from July until frost. The colors vary from pink to scarlet and maroon, all beautifully blotched and veined; large white throats. .10

"Excelsior." A new variety having very large flowers, colors range from white to deep scarlet. Pkt. .25

PLATYCODON Grandiflora. Chinese Bell Flower. Hardy perennials, bearing large bell-shaped white or blue flowers; very handsome for garden decoration; 1½ feet. The Nana Compacta type form sturdy little bushes about 12 inches high.

Mixed Colors. Blue and white	.10
Nana Compacta. Mixed colors. Blue and white	.10

Free to Customers: Henderson's Leaflet "How to Grow Pansies to Perfection."



PERENNIAL FLOWER SEEDS

FOR
SUMMER
SOWING

(Continued)



- | | PKT. | | PKT. |
|--|------|---|------|
| POLYANTHUS (<i>Primula Elatior</i>). An early-blooming Primrose for spring flower beds or pot culture; the large umbels of flowers edged and laced are borne on stalks 8 inches tall. Mixed colors..... | 15 | STOKESIA , The Hardy Cornflower. The plants grow from 18 to 24 inches high and begin flowering in July, continuing without interruption till late in October. The flowers, 4 to 5 inches across, on long stems, are valuable for cutting | 10 |
| POPPY GIANT ORIENTAL . These hold an unrivaled position for effectiveness in hardy borders; height 2 to 3 feet; flowers immense, often 6 inches across. | | Cyanea Blue , Lavender-blue..... | 10 |
| Colosseum . Flowers 8 inches across. Dark scarlet, with a black spot at the base of each petal..... | 15 | Hybrids , Mixed Colors, include some charming shades of blue, lavender, violet, white, and a new pink variety..... | 10 |
| Beauty of Livermere . Crimson with black blotch..... | 15 | SWEET ROCKET or Dames Violet . Favorite, hardy, herbaceous perennials—for the garden border. The plants form clumps 2 to 3 feet in height covered with showy terminal spikes of flowers resembling Stocks. The colors range from white through lilac to pink and purple; very productive of bloom and splendid for cut flowers. Mixed Colors..... | 10 |
| Princess Victoria Louise Salmon-scarlet..... | 15 | SWEET WILLIAM (<i>Dianthus barbatus</i>). One of the finest of our hardy garden plants, of easy culture, thriving in any good garden soil. The plants grow about 1 foot high and form fine clumps. | |
| Salmon Queen . Salmon-yellow..... | 15 | Henderson's Perfection . Our improved Perfection strains produce in great profusion large florets in a great variety of extremely rich colors | 10 |
| Rembrandt . Orange-scarlet..... | 15 | Extra choice Single varieties mixed | 10 |
| Mixed Colors . Per 1,000 seeds, 50c..... | 10 | Double large-flowering mixed . Extra choice | 15 |
| POPPY ICELAND (<i>Papaver Nudicaule</i>). The fragrant, crushed satin-like flowers are produced in never-ceasing succession from the beginning of June to October; fine for cutting | | Pink Beauty . Large single flowers of pure pink..... | 15 |
| Yellow | 10 | Scarlet Beauty . Large single scarlet flowers..... | 15 |
| Scarlet | 10 | Harlequin . Large flowers of several colors produced on one plant. Some heads will be all crimson, others all pink, white, etc., but usually florets of different colors will be borne in one head..... | 15 |
| Mixed Colors . Per 1,000 seeds, 50c..... | 10 | TRITOMA UVARIA . "Red Hot Poker Plant." Splendid hardy perennial plants, for clumps on lawn or among shrubbery, where the tall spikes of orange red flowers make an effective display from August until November. 4 to 5 feet..... | 10 |
| Storrie's New Iceland Poppies . This new strain contains many new colors and shades, including bluish, salmon, coral-pink, orange-rose, white, lemon, orange, striped, flecked, edged blended, etc. Mixed Colors . Per 1,000 seeds, 75c..... | 15 | New Hybrid Tritomas . Showy, hardy plants, producing the brightest flowers of the autumn garden. They grow from seed and flower well the second year commencing in May and continuing through the summer and fall. They range in color through shades of yellow to orange and from salmon-pink, coral red, etc., to crimson. The plants vary in height from 18 inches to 6 feet..... | 25 |
| HARDY BLUE PRIMROSE — <i>Primula Acaulis</i>
A beautiful blue-flowered type of the popular old English yellow Primrose. Equally as hardy, and a fitting companion for naturalizing among shrubs, in turf or the herbaceous border..... | 25 | PANSY-VIOLETS , Tufted or Bedding. (<i>Viola cornuta grandiflora hybrida</i>). Pansy-like blossoms, 2 to 2½ inches across, of great substance and brilliant colors. The plants are hardy, forming tufted clumps, with myriads of flowers from spring until cold weather. Many are scented. Mixed colors..... | 15 |
| PRIMULA JAPONICA HYBRIDS . These grand, new Japan Primroses are perfectly hardy—forming stately, robust plants that carry large trusses of bloom. The colors range from pure white through shades of pink to deep crimson..... | 25 | WALL FLOWER . These perennials make nice bushy plants, 1½ feet high, bearing in the spring long spikes of fragrant flowers of various colors, crimson, purple, yellow apricot, mahogany, pink, etc. | |
| PYRETHRUM Hybridum . Hardy herbaceous plants, flowers 3 to 4 inches across, of rose, flesh, pink, white crimson, etc.; borne on stems 2 feet high. | | Large Double . Mixed colors..... | 15 |
| Single, Large-flowering . Mixed colors..... | 10 | Large Single . Mixed colors..... | 10 |
| Double, Large-flowering . Mixed colors..... | 25 | Collection of 6 separate Double Wall Flowers | 50 |
| SCABIOSA Hardy Varieties . | | WISTARIA , Chinese. Of luxuriant and rapid growth, bearing in the spring immense panicles of flowers produced in great profusion, 75 feet. Blue..... | 10 |
| Caucasica Perfecta . Dense, spreading plants 2 or 3 feet high. Semi-double flowers, 3 to 4 inches across poised on stalks 1½ to 2 feet long. The coloring is a beautiful lilac-blue..... | 15 | | |
| Caucasica Alba . A large, pure white variety; counterpart of the above; beautiful; the flowers, 3 to 4 inches across, on long stems, are exquisite for vases, lasting a long time in water, and they are borne freely like those of its blue-colored parent from early summer to late fall..... | 25 | | |
| Japonica . New Scabious from Japan, 2½ feet in height and breadth, with elegant light green foliage. Flowers 2 inches across, on long wiry stems 15 inches in length, of a beautiful mauve blue..... | 10 | | |

Giant Spencer Sweet Peas for Autumn Sowing.

New Giant ^{Early Flowering} Spencer Sweet Peas.

Bloom 4 Weeks Earlier than the Late Spencers, and Under Congenial Conditions Flower Continuously for 4 months.

The plants of this new race are of strong constitution, vigorous growth, profuse and bloom continuous for about four months, grown under congenial conditions. Grown in the open ground they begin flowering in about 106 days from seed sowing or fully four weeks sooner than late flowering Sweet Peas sown at the same time, and they continue to flower in profusion for fully 4 months. It is predicted by Sweet Pea authorities that this race will supplant all other early and late flowering Sweet Peas for winter flowering under glass, and also for open ground culture in our Southern States—sown preferably in fall or winter. Condensed cultural instructions for both garden culture under northern and southern conditions and for winter flowering under glass are given in Henderson's leaflet "How to Grow Sweet Peas to Perfection" free to customers.

VARIETIES OF NEW GIANT EARLY FLOWERING SPENCER SWEET PEAS	Per Pkt.	Per Oz.
Early Helen Lewis Spencer. A rich apricot pink or salmon colored flower; large, long-stemmed flowers.....	.25	1.00
Early Heather Bell. A rich mauve-lavender.....	.25	1.00
Early Hercules. A deep shade of rose-pink. Closely resembling the late flowering "Countess Spencer".....	.25	1.00
Early Morning Star. Deep orange-scarlet or flame color with rich orange-pink wings.....	.25	1.00
Early Liberty. Crimson, vigorous and free flowering.....	.25	1.00
Early Snowflake. Pure white and the best white early flowering white seeded Spencer.....	.25	1.00
Early Song Bird. A soft shade of pale pink similar to the late varieties "Florence Morse" and "Lady Evelyn Eyre".....	.25	1.00
Early Spring Maid. An exquisite light cream-pink that is a soft pink over a cream ground color.....	.25	1.00
"Yarrowa." This variety from Australia has proven its adaptability to American conditions. In our trials it commenced flowering freely two weeks before other large waved Sweet Peas and three to four weeks earlier than some varieties, all given the same cultural treatment, and "Yarrowa" continued in flower, holding its large size and phenomenal floriferousness for weeks after all other Sweet Peas had passed their best. The flowers are large of round waved Spencer form and colored bright rose pink with lighter pink wings.....	.15	.75
Early Flowering Spencer Mixed.....	.15	.75

Giant Spencer Sweet Peas.

STANDARD VARIETIES AND NOVELTIES

Sweet Peas, gay and fragrant, are the most universally popular annual flowers cultivated. Inexpensive, easily and quickly grown from seed, thriving in town or country gardens, supplying an abundance of continuous bloom for months—an adornment to garden, house or corsage. Is it any wonder that they are "everybody's flowers," and have been for generations? A few years ago, a paragon type appeared in the famous gardens of Earl Spencer, Northamptonshire, England. This newcomer, extremely beautiful, the fairest-formed and largest Sweet Pea ever grown, was named "Countess Spencer" and from this has sprung the glorified modern race of Giant Waved "Spencer" or "Orchid-flowered" Sweet Peas.

The characteristics of the Spencer Sweet Peas, grown under congenial conditions are: robust growth, the plants attaining a height of from 6 to 10 feet, requiring for full development to be not less than 6 inches apart; a foot apart is better. The flowers are giants among Sweet Peas, measuring 2 to 2½ inches across. They are beautifully formed and daintily waved. Three and often four or five of these queenly blossoms are borne on long, strong stems.

Giant Spencer Sweet Peas—Continued.

Henderson's Packets of Named Sweet Peas contain 40 to 50 seeds	PRICE Pkt. Oz.	
America Spencer. Striped and flaked brilliant carmine-red over white.....	10	.50
Apple Blossom Spencer. Banner bright rose color; wings creamy-blush.....	10	.50
Asta Ohn. Lavender.....	10	.50
Captain of the Blues Spencer. Maroon purple.....	10	.50
Blue Picotee. White, edged blue.....	10	.50
Constance Hinton. Young flowers tinted pink but soon turn white.....	10	.50
Countess Spencer. A re-selected, improved strain of this grand original "pink Spencer".....	10	.50
Decorator. Bright coral rose suffused cerise and orange.....	10	.50
Dobbies Cream. Cream yellow.....	10	.50
Etta Dyke. A superior strain of "White Spencer," larger, whiter, and better frilled.....	10	.50
Fiery Cross. Fiery orange-scarlet—fine large waved flowers that do not sunburn.....	10	.50
Flora Norton Spencer. Beautiful azure or pale blue flowers.....	10	.50
Florence Morse. Soft blush-pink flushed towards edge with deeper pink.....	10	.50
George Herbert. Bright rosy-carmine.....	10	.50
Helen Lewis. A very large and fine orange-rose; wings orange-salmon.....	10	.50
Helen Pierce Spencer. A large, true waved Spencer; ground color, rippled and pencilled with bright blue.....	10	.50
Hercules. Clear rose pink.....	10	.50
Illuminator. A warm orange-rose self or light orange-scarlet.....	10	.50
John Ingman. Rich carmine-rose, very large and fine waved form.....	10	.50
King Edward Spencer. Rich crimson-scarlet.....	10	.50
King White. The best pure white.....	10	.50
Margaret Atlee. Salmon pink over a body color of cream which lights up the whole flower into exquisite beauty.....	10	.50
Martha Washington. Rose-pink with Tyrian rose edge.....	10	.50
Maud Holmes. An unsurpassed "Sunproof" crimson.....	10	.50
Mrs. C. W. Breadmore. Cream-buff flushed and edged with deep rose.....	10	.50
President. Glowing orange-scarlet.....	10	.50
R. F. Felton. Lilac tinged French grey.....	10	.50
Rosabelle. Bright rose, grand form and size.....	10	.50
Royal Purple. The best purple variety.....	10	.50
Senator Spencer. A large and fine striped; seal-brown and claret flakes on white.....	10	.50
Vermillion. Brilliant scarlet.....	10	.50
Warrior. Maroon.....	10	.50
Wedgewood Blue. Silvery-blue, tinged mauve.....	10	.50

Henderson's Superior Blend of Mixed Giant Spencer Sweet Peas.

An unsurpassable mixture. Composed exclusively of Giant Waved Spencer varieties, blended in proper proportion of bright colors and including several new hybrids of exquisite colors and shades, many of which, when sufficiently tried up, will be introduced as new-named varieties.

Price, per pkt. (75 to 100 seeds), 10c.; three pkts., 25c. Per oz. (400 to 500 seeds), 30c.; per ¼ lb., 85c.; per lb., \$3.00 postpaid.

Henderson's, "HOW to GROW SWEET PEAS to PERFECTION," Sent free to customers if asked for.

"The Joy of Spring Flowers"

To experience the joy of early spring flowers in the Garden, or winter flowers in the House, you must plant Bulbs in the Fall. The dull dark days of winter can be lightened and made cheery by planting a few bulbs in pots in September to bloom from Thanksgiving Day onwards, and for a larger outlay, but still a moderate one, you can create in your dwelling a veritable winter garden of flowers suggesting the atmosphere of June rather than that of January. As regards the outdoor garden one would have a long wait for flowers during the spring months were it not for the planting of autumn bulbs. By planting these in September and October one may indeed "Know the joy of Spring Flowers" to the fullest extent.

SEND FOR OUR LIST OF BULB BARGAINS.

(We mail it post free.)

Below we offer a few selections from this list at very low prices for orders received this summer. We import these bulbs from Holland and deliver them to you in the Fall. By sending in your order this summer you will get the cream of the bulbs, as they will be imported specially for you with our own.

There is everything to gain and nothing to lose by ordering now. If there should be a decline in prices before the time for delivery we will give you the benefit.

HENDERSON'S "SPECIAL" HYACINTHS

FOR BEDDING POT CULTURE WITHOUT NAMES—CHEAPER THAN NAMED
VARIETIES—FAR BETTER THAN MIXED

Henderson's Special Hyacinths (equally useful for gardens, bedding and borders, or forced or winter flowering in pots or pans) are larger sized bulbs than those put in ordinary mixtures. They are the same age as the first size Named Hyacinth offered by us from which these are the second selection. They are of great value for bedding in designs, enabling one to obtain the exact color effect desired which is a great advantage over mixed reds and mixed blues. They are much used for winter blooming in pots. Plant 1 bulb to a 5-in. pot, 3 bulbs in a 6 or 7-in. pot, 6 or 7 bulbs in an 8-in. pot or pan. If wanted by Parcel Post add postage at zone rates on page 2 of cover. Packed weight 16 lbs. per 100.



Single Special	Crimson
"	Rose Pink
"	Snow White
"	Lavender Blue
"	Dark Blue
"	Yellow
"	Mixed Colors
Double Special	Crimson
"	Rose Pink
"	Snow White
"	Lavender Blue
"	Dark Blue
"	Yellow
"	Mixed Colors

PRICE—12c. EACH, \$1.25 PER DOZEN,
\$9.00 PER HUNDRED.

EARLY ROMAN HYACINTHS

Roman Hyacinths are popular for winter flowering in the house in pots or pans and are also used for "forcing" for cut flowers. The white Roman Hyacinth is the earliest, best and most floriferous variety, though the pink and light blue are beautiful and supply a variation of color.

They are all easily grown in pots of soil, and throughout the winter a continuous succession of delightful flowers may be enjoyed by bringing in from the cellar a pot or two of the rooted bulbs at intervals of about two weeks. A five in. pot is sufficient for 3 bulbs, a six-inch pot or pan for 6 bulbs, a seven-inch pot or pan for 8 bulbs. Roman Hyacinths are not hardy for open ground planting north of Washington, but where winters are mild, if lightly protected with mulch they thrive in the garden.

If by Parcel Post add postage at zone rates on page 2 of cover, packed weight 8 lb. per 100.

EARLY WHITE ROMAN HYACINTHS
each doz. 100
Extra size bulbs..... 15 1.50 12.00

EARLY PINK ROMAN HYACINTHS
First size bulbs..... 12 1.25 9.00

EARLY LIGHT BLUE ROMAN
First size bulbs..... 12 1.25 9.00

HENDERSON'S SPECIAL RAINBOW MIXTURE OF DOUBLE EARLY TULIPS.

This is a very superior mixture made up from Named Sorts with proper proportions of bright colors. All of uniform height and blooming together, extra fine bulbs. Price, 50c. per doz., \$3.50 per 100, \$32.50 per 1000. If wanted by Parcel Post add postage at zone rates on page 2 of cover. Packed weight 6 lbs. per 100.

HENDERSON'S SPECIAL RAINBOW MIXTURE OF SINGLE EARLY TULIPS.

Mixed by ourselves from named sorts, proper proportions of bright colors, all blooming together and of uniform height; extra fine bulbs, much superior to the ordinary mixtures, which are too often made up of surplus varieties and seconds regardless of bedding effect. Price 40c. per doz.; \$3.00 per 100; \$27.50 per 1000. 250 sold at the 1000 rate. (Same weights as preceding).

HENDERSON'S MIXED NARCISSUS AND DAFFODILS.

For Naturalizing in Borders, Wild Gardens, Etc.

We offer these at exceptionally low prices to encourage liberal plantings. They are very suitable for growing in masses for garden decoration. They are perfectly hardy and will flourish and increase for years. If wanted by Parcel Post add postage at zone rates on page 2 of cover. Packed Weight 8 lbs. per 100.

	doz.	100	1000
Mixed Single Trumpet Varieties..	.50	\$4.00	\$37.50
Mixed Double Varieties.....	.50	4.00	37.50



MIXED NARCISSUS AND DAFFODILS



HENDERSON'S SINGLE AND DOUBLE EARLY TULIPS

LATE or MAY-FLOWERING COTTAGE TULIPS.

Cottage Tulips are so-called because many of them were found growing in the old cottage gardens of England, Scotland, Ireland and France where they had been established for 50 years or more. All are very beautiful, presenting a great variety in form and coloring, and having none of the stiffness of other tulips.

Grand Mixture of Old English Cottage Tulips. Including sweet-scented sorts. Many different varieties. Price, 50c. per doz., \$4.00 per 100. If wanted by Parcel Post add postage at Zone Rates on page 2 of cover. Packed Weight 6 lbs., per 100.

HENDERSON'S MIXED DARWIN TULIPS.

The Darwin Tulips are exceedingly effective when grown in the garden or herbaceous border with a back ground of greenery. The beauty, hardiness and perpetuity of Darwin Tulips has made them very popular.

Grand Mixture of Darwin Tulips. Great variety of all colors and shades. Price, 50c. per doz., \$4.00 per 100.

Same weights as the preceding.

MIXED GIANT FLOWERING CROCUS.

All colors and shades including many new hybrid seedlings so far out classing the ordinary trade mixtures that we have discarded the latter. 20c. PER DOZEN, \$1.50 PER 100, \$12.00 PER 1000. If wanted by Parcel Post add postage at Zone Rates on page 2 of cover. Weight 3 lbs. per 100.

By ordering now you get the cream of the Dutch Bulbs as they will be imported specially for you with our own.

Our Catalogue "BULB BARGAINS" contains a full list of Named Varieties.

GERMAN IRIS or FLEUR-DE-LIS *Iris Germanica*

These the true Fleur-de-Lis—but greatly improved—are well termed “Garden Orchids” and they fairly out rival the orchids in wide range of coloring—both in dainty combinations and rich and vivid colors.

Our collection contains many new and choice varieties, and we are confident they will prove revelations of beauty to Iris lovers. The roots should be divided and replanted every fourth year in September as the plants are then dormant. The roots are ready for shipment from Sept. 15 to Nov. 15. (See engraving.) If wanted by Parcel Post add postage at Zone Rates on page 2 of cover. Packed weight 2 lbs. per dozen.



A PLANTING OF GERMAN IRIS OR FLEUR-DE-LIS;

In addition to the colors described all varieties have golden beards.

Admiral Togo. White, tinged lavender...	each doz.	100
Brooklyn. Standards lavender, falls pale blue, base veined brown, white and yellow.....	.10	1.00 7.50
Candicans. Light lavender, falls reddish purple.....	.10	1.00 7.50
Gertrude. Rich violet blue throughout....	.10	1.00 7.50
Gracchus. Clear yellow; falls marked red and netted white.....	.20	2.00 15.00
Her Majesty. Rose-pink, tinged crimson	.25	2.50 18.00
Honorable. Intense yellow, falls, a beautiful bronze.....	.10	1.00 7.50
Pallida Dalmatica. Extra large and fine, clear lavender.....	.25	2.50 18.00
Parkmani. Pure lemon, falls white, veined purple.....	.10	1.00 7.50
Pauline. Sky-blue; falls deeper blue.....	.10	1.00 7.50
Pariensis. Fine deep blue.....	.10	1.00 7.50
Perfection. Magnificent velvety mauve and deep violet.....	.25	2.50 18.00
Queen of Gypsies. Dusky bronze, falls purple-red.....	.10	1.00 7.50

Queen Victoria. Yellow tinted brown, falls crimson striped yellow.....	each doz.	100
Velveteen. Yellowish buff; falls intense plum purple.....	.10	1.00 7.50
Mixed German Iris—including many beautiful varieties.....	.07	.70 5.00

JAPAN IRIS ROOTS.

The flowers average 8 to 10 inches across and flash like watered silk in the sunlight. There are very few denizens of the flower garden that can compare with the Japan iris for brilliancy.

Japan Iris. Seedlings. Containing many new and beautiful single and double varieties. Price, 10c. each, \$1.00 doz., \$7.50 per 100.

If by Parcel Post add postage at Zone Rates on page 2 of cover. Packed weight 15 lbs. per 100.

HENDERSON'S MODERN PEONIES.

Within the past few years this magnificent section of hardy herbaceous flowering plants has been brought into prominent notice because of the general improvement in varieties of recent origin. There is an element of practical, permanent value in the Peony; that is, the plants once purchased and planted in suitable soil, continue to increase in size and profusion of bloom, and pay a generous annual dividend in an enormous crop of magnificent, deliciously fragrant blooms unsurpassed for decorating purposes. (See engraving.)



A BED OF HENDERSON'S MODERN PEONIES.

See our catalogue “Bulb Bargains sent post free for undivided roots of named varieties.

MIXED PEONIES and PEONIES TO COLOR.—Without Names. We offer these in strong 3 to 5 crown divided roots at 50c. ea.; \$5.00 per doz.

- Double White.
- Double Crimson.
- Double Rose Pink.
- Double Mixed Colors.

If by Parcel Post add postage at Zone Rates on page 2 of cover. Packed weight 5 lbs. per doz.

Our Catalogue “BULB BARGAINS” contains a full list of named varieties of Flower Bulbs. We send it post free on request.

The "HENDERSON" Perfected Lawn Mowers

Two New Styles Offered for 1922



MODEL "A" and MODEL "B"

Self Adjusting
Ball Bearings,
Drawcut
Wiping Cyl-
inder. Flexi-
Rigid, Twin-
Edge, Self
Sharpening
Cutting Knife



The Henderson Lawn Mower, as formerly constructed had, with two exceptions, left nothing to be desired to make it an absolutely perfect grass cutting machine, adapted to doing all kinds of work; these two lacking essentials we are now supplying in the Henderson Perfected Lawn Mowers, Model A and Model B. We are offering these two models so that our customers may select a Henderson Mower best adapted to their needs.

These new models are fitted with a new pattern cutting knife of flexi-rigid construction that will absolutely cure nine-tenths of the ills that affect Lawn Mowers in general. This cutting knife is flexible to a predetermined degree and then becomes positively rigid and immovable. Having two cutting edges it gives double service through which not a spear of grass escapes. The flexible member of this knife permits the most unskilled to secure an adjustment of the cutting knife to the spiral blades that will cut the grass as perfectly, and as easily, as if adjusted by an expert.

This new cutting knife has been tested out the past season under the most severe and trying conditions, and by its use on both models of the Henderson Perfected Lawn Mower, combined with self adjusting ball bearings and drawcut spiral wiper blades, it makes a perfect Lawn Mower; a Mower we offer with an absolute unconditional guarantee to give perfect satisfaction.

Specifications of Model "A"

Eleven inch Traction Wheels; six inch wiper cylinder with five drawcut spiral blades; self adjusting ball bearings to wiper shaft; flexi-rigid, twin-edge cutting knife; spade grip handle; handsomely decorated in colors, gold and silver. (See engraving.)

Price, 14 inch cut, \$18.00; 16 inch cut, \$20.00; 18 inch cut, \$22.00; 20 inch cut, \$24.00.

Specifications of Model "B"

Ten inch Traction Wheels; five and one-half inch wiper cylinder with four drawcut spiral blades; self adjusting ball bearings to wiper shaft; flexi-rigid, twin-edge cutting knife, moused handle strengthened with malleable handle clips; handsomely decorated in colors, silver and gold. (See engraving.)

Price, 14 inch cut, \$15.50; 16 inch cut, \$17.00; 18 inch cut, \$18.50; 20 inch cut, \$20.00.

GRASS CATCHERS. For the "Henderson" Perfected Lawn Mowers. 14 inch, \$3.50; 16 inch, \$4.00; 18 inch \$4.25; 20 inch, \$4.50.



Henderson's Border and Terrace Mower

Especially designed to cut the grass on borders—the narrow strips of sod sometimes only a few inches wide—between flower beds and walks where a side-wheel mower would have one wheel down in the gutter and in consequence the mower would cut into the sod. In our Border Mower a large light cylinder extends the full width of the mower and keeps the machine level with the surface and does perfect work. This machine is also useful for regular lawn work. It is very light running, and will give thorough satisfaction.

No catchers can be supplied for this mower.

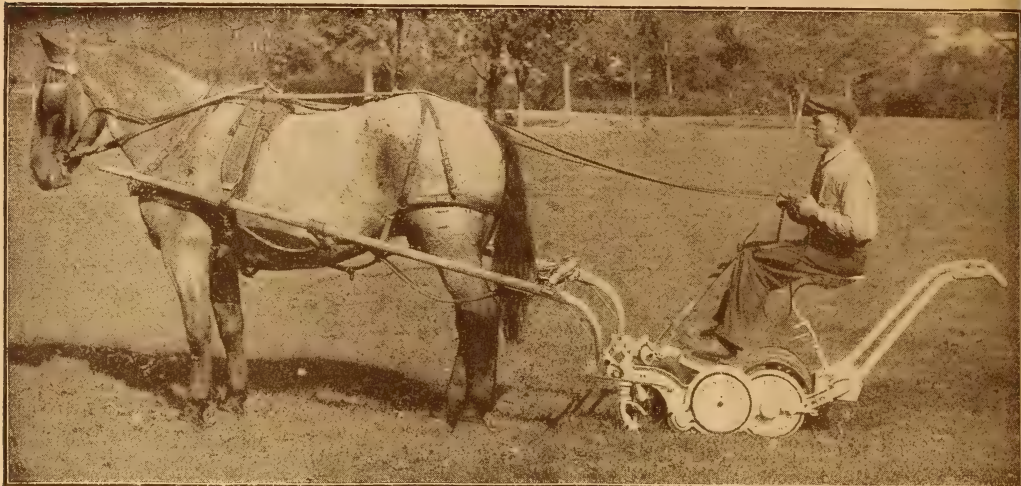
Prices (Strictly net; no charge for boxing.) 10 inch cut, \$18.00; 12 inch cut, \$21.00; 14 inch cut, \$24.00; 16 inch cut, \$27.00; 18 inch cut, \$30.00. No Catcher supplied for this Mower.

"RUNAWAY" High Wheel Lawn Mower

A first class high-wheel lawn mower at a popular price: the four revolving knives give a continuous cut; made of best materials, easy running and fully warranted.

Prices (Strictly net; no charge for boxing.) 12 inch cut, \$10.00; 14 inch cut, \$11.00; 16 inch cut, \$12.00; 18 inch cut, \$13.00; 20 inch cut, \$14.00.

Metal Bottom Grass Catcher, for any size "Runaway" Mower (extra) \$2.00.



The New Improved Henderson Horse Lawn Mower.

IT IS A HORSE LAWN MOWER AND ROLLER COMBINED

We consider this to be the best horse power Lawn Mower on the market. It is simple in construction and very durable, the best steel and iron being used in its manufacture, and it is finished in the most perfect manner.

A lever beside the driver enables him to cut grass any height, high or low from the ground and to easily and quickly raise the blades over stones or other obstruction without stopping the horse or leaving his seat. A slight movement of a small lever throws the mower in or out of gear without stopping. The side draft rod is attached to the left side of the mower keeping the horse on the cut grass, and preventing the trampling down of the grass which is to be cut. The revolving knives, five in number, are "high speeded," making a continuous cut and leaving the surface of the lawn as smooth as velvet. The rollers, three in number, 15 inches in diameter, with triple pawls in each roll make the most powerful and instantaneous drawing mechanism ever put in a lawn mower. This feature maintains the motion of the blades even when turning sharp corners, a great advantage over other double roll mowers whose knives have no motion when turning corners. The self-aligning journal boxes are a very valuable improvement and prevent cramping of the journals, a very common and dangerous fault in many horse mowers. The foot rest is spacious and prevents cramping of limbs and accidents through the feet slipping into the revolving cutters.

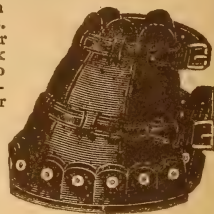
These mowers will weigh, including shafts and driver, 600 to 700 pounds, thereby rolling the lawn at the same time it is cutting; or the cutter may be thrown out of gear, and the machine used for rolling alone.

Prices for the New Improved Henderson Horse Lawn Mower and Roller combined, complete with Tool Box, Seat, Shafts, and side Draft Attachment:

30-inch cut, net weight 485 lbs., packed weight 625 lbs. . . \$150.00
 35-inch cut, net weight 505 lbs., packed weight 665 lbs. . . 160.00
 40-inch cut, net weight 520 lbs., packed weight 695 lbs. . . 170.00
 Booklets on Motor Mower with prices furnished on Application

HENDERSON'S IMPROVED HORSE BOOTS.

Prevent horses' hoofs from cutting into soft lawns. Made of superior leather with improved double thick riveted soles and strap around the hoof. In ordering send outline of hoof. Per set of four, \$16.00.



THE UNIVERSAL LAWN TRIMMER

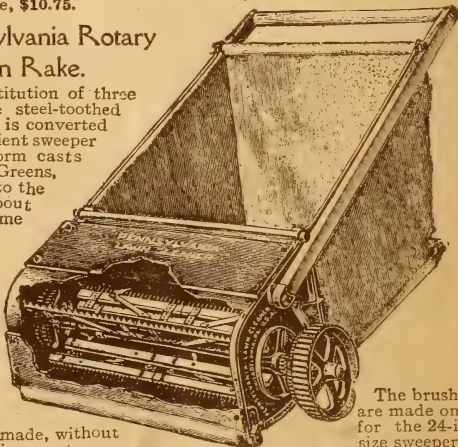
The latest and best machine for trimming grass close up to the fence or wall, thus reducing hand work with shears to a minimum. It will also be found handy for trimming up around trees' under bushes, etc. It cuts 6 inches in width. This Lawn Trimmer is a high-grade machine in every respect, with self-adjusting ball bearings. Price, \$10.75.



The Pennsylvania Rotary Lawn Rake.

By the substitution of three brushes for the steel-toothed rakes, the rake is converted into a very efficient sweeper for removing worm casts from Putting Greens, without injury to the turf and in about one-tenth the time consumed by usual methods.

The sweeper can also be used as a lawn or sidewalk sweeper for removing leaves and other litter. The change from rakes to brushes, or vice versa, is easily made, without taking the machine apart.



The brushes are made only for the 24-in. size sweeper.

PRICES

24-in.; shipping weight 100 lbs.	\$30.00
36-in.; shipping weight 120 lbs.	42.50
Extra set brushes, 24-in. only	7.00

The Henderson CAST IRON WATER BALLAST ROLLER.

The advantages of a roller, the weight of which can be increased or lightened at pleasure, can scarcely be over-estimated. Often on light or sandy soil, or on newly made lawns, or in early spring when the ground is moist or after a rainy spell, a lighter-weight roller is a necessity; then on thick sward or on hard soil, on walks and roads, a heavy roller is needed. With a Henderson Water Ballast Roller one can secure any weight desired, between minimum and maximum by simply removing a thumb cap from each end and filling the two hollow sections with as much water or sand as may be needed, which is easily and quickly done with a hose or through a funnel; and the roller is as quickly emptied. The inside being heavily galvanized it will last for years.

These are perfect rollers, and do perfect work on lawns, tennis courts, golf grounds, roads, walks, etc. They are high-grade in every respect, being carefully manufactured of best material, and the diameter is large, insuring a lighter draught for a given weight than is usual.

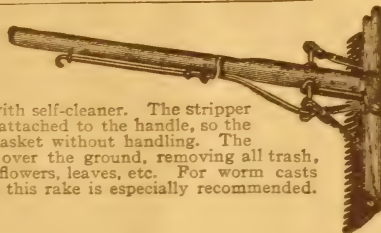
The Henderson Patent Water Ballast Roller for man power. Weighs 300 lbs.; loads up to 600 lbs.; tracks, 24 inches; diameter of drums, 24 inches; counter-balanced handle, stands erect when not in use. Price\$50.00



SHEET STEEL WATER WEIGHT ROLLERS

No.	Diameter Inches	Length Inches	Sections	Weight Empty	Water Filled	Price
WB 3	14	20	1	60 lbs.	175 lbs.	\$17.50
WB 5	18	24	1	80	310	21.00
WB 7	24	24	1	115 "	500 "	25.00

Gem Lawn and Dandelion Rake.

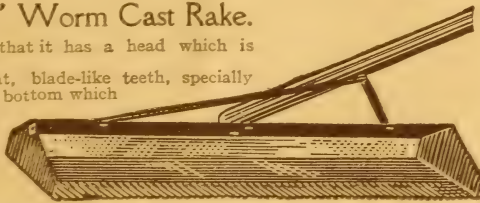


A fine-toothed sheet metal rake with self-cleaner. The stripper being operated by a wire trigger attached to the handle, so the contents can be deposited in a basket without handling. The teeth are curved so they ride over the ground, removing all trash, cut grass, worm casts, dandelion flowers, leaves, etc. For worm casts and dandelions on putting greens this rake is especially recommended. Price, 16-inch size, \$2.00.

The "Early Bird" Worm Cast Rake.

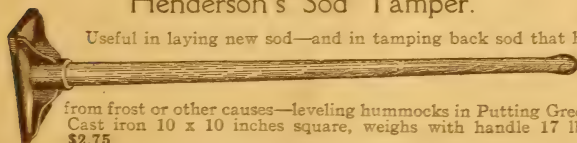
It is like a rake only in that it has a head which is dragged by a handle.

Teeth: Note these flat, blade-like teeth, specially formed out of the broad bottom which holds them always in flat positions of the ground. These teeth are so close together that every worm cast and every bit of debris, (no matter how small) is picked up and rolled back into the broad back bottom.



Width 30 inches. Weight 8 lbs. 4 oz. Price each \$9.00.

Henderson's Sod Tamper.



Useful in laying new sod—and in tamping back sod that has heaved

from frost or other causes—leveling hummocks in Putting Greens, etc.—Cast iron 10 x 10 inches square, weighs with handle 17 lbs. Price, \$2.75.

Superior Iron Hand Roller.

These are very superior rollers. The edges are beveled to prevent marking, the faces are ground smooth so they will not pick up and carry lumps of earth, the axles are of steel, the sections fit closely and the handles are of our improved design, will not break, and are counter balanced so they will always keep up from the ground, clean and out of the way. From 300 to 500 lbs. is the weight chosen for a one man power roller for level lawns. Remember that the heavier the roller used on your lawn the finer sward you will have.

No.	Diameter	Total Length	Actual Weight	Net Prices
2	15 inches	22 in in 3 sec.	200 lbs.	\$21.00
4	20 "	20 " " 2 "	250 "	25.75
6	20 "	24 " " 3 "	300 "	30.00
8	20 "	30 " " 3 "	350 "	35.00

American Sod Lifter.

A handy tool for cutting under and lifting sod; solid steel blade; 18-inch shank; D-handle. Price, \$2.50.

English Turfing Spade.

An imported tool for lifting sod evenly, rapidly and without breaking. \$9.00.

Henderson's Sod Perforator.

An invaluable tool to aid in renovating bad spots in lawns, grass plots, putting greens, etc. It is operated like a rammer, the lower surface being provided with spikes which puncture the sod, leaving small holes into which much of the seed or fertilizer drops when broadcasted thus preventing its being blown or washed away. The holes are filled with soil by the first rain, which covers the seed so it can germinate. Price.....\$3.75

Lawn Scarifier

A prong hoe shaped arrangement for renovating lawns and putting greens. Price complete with plate for tamping.....\$3.00



Self-Watering Iron Window Boxes



These are made of sheet iron, galvanized and finished on the outside in green enamel. They are very durable, rust-proof and positively will not leak. The crowning merit of these boxes, however, is the self-watering feature. This is accomplished by a false bottom below which the water is contained, it being poured in through a tube in the corner that projects from the rim to the bottom. The false bottom has holes in it in which are inserted small sponges. These absorb the water and it is drawn up by the Soil or Fibre, keeping it evenly moist for a week or more before the water requires replenishing, thus the plants do not dry out from neglect and thrive and bloom with unusual luxuriance.

No.	Height	Width	Length	Water Capacity	Price Plain	Price Ornamental
1	8 ins.	9½ ins.	23 ins.	2½ qts.	\$3.75	\$4.75
4	8 "	9½ "	29 "	4 "	4.50	5.75
7	8 "	9½ "	35 "	5½ "	5.25	6.75
10	8 "	9½ "	41 "	7 "	5.75	7.75

Note.—The "Plain" self-watering Window Boxes have a smooth surface, enameled green; the "Ornamental" have a beautiful design pressed in metal on sides and ends.

Self-Watering Iron Hanging Pots

The ordinary hanging baskets are usually an abomination when it comes to watering them, on account of the drip; in consequence they are often allowed to "dry out," to the detriment of the plants. The Self-Watering Hanging Pots "never leak a drop" and the plants thrive in them grown in either soil or fibre and do not need water often. To water the plants, simply remove the lower reservoir—a partial turn will do it—fill with water and replace. The soil or fibre will soon absorb the needed moisture through a connecting sponge.

	Diameter	Water Capacity	Price
No. A.....	9 inches	2 pints	\$5.75
No. B.....	10 inches	2 pints	7.50
No. C.....	12 inches	3 pints	9.00

Waterproof Fibre Saucers for Flower Pots

Do not absorb moisture and spoil work, tables, etc., on which plants stand. Not breakable. Color, terra cotta brown. (Measurements on outside diameters.)

	each	doz.		each
5 in.	\$0.35	\$3.85	10 in.	\$0.60
6 in.	.40	4.40	12 in.	.65
7 in.	.45	4.95	14 in.	.85
8 in.	.50	5.50	16 in.	1.45
9 in.	.55	6.00	18 in.	1.75

Rolling Stands for Heavy Plants

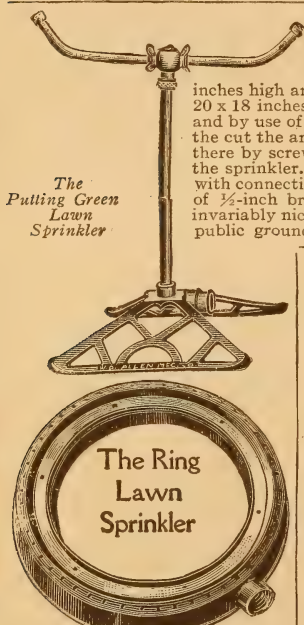
The device consists of two steel pieces securely riveted and equipped with casters; a strong and compact support for plants in large pots or tubs.

Prices (including Fibre Saucers)

12 ins. diam., takes 10-in. tub	\$1.00
14 " " " 11 " "	1.25
16 " " " 13 " "	1.60
18 " " " 15 " "	2.00
20 " " " 17 " "	2.50
22 " " " 20 " "	2.75

The Putting Green Sprinkler

The Putting Green Sprinkler is rapidly growing in popularity. It stands 44 inches high and is made on a wide, malleable iron sled, 20 x 18 inches. It has a spread of arms of 24 inches, and by use of the thumb nuts on the arms, as shown in the cut the arms can be inclined at any angle and held there by screwing the thumb nuts against the head of the sprinkler. We make the Putting Green Sprinkler with connections for ¾-inch hose. The arms are made of ½-inch brass tubing, and the head and arms are invariably nickel plated. It is just the thing for parks, public grounds, golf grounds, etc. Price, \$8.00.



The Ring
Lawn
Sprinkler

The simplest lawn sprinkler made—no revolving parts to wear and get out of order or leak. Easily moved about the lawn—made of polished brass—light, durable and economical. Price, 75c. Mail weight 2 lbs.

The Little Wonder Hedge Trimmer



The Little Wonder has been in practical use for eight years. Its extensive manufacture was prohibited during the war. They are now made by the thousands.

The machine is built along the most practical mechanical lines and of best material obtainable.

Blades are made of high carbon steel tempered tough (not brittle) and hold a sharp edge for a long period.

The bearings are bushed with the best high speed "Non-Gran" Bronze. Studs are made from steel hardened same as best auto bearings are made. With reasonable care the machine will last a lifetime. Weight is only 10 lbs.

It is so simple to operate, especially where tail end is held by some one, that the amateur becomes an expert almost instantly. It runs so easy and is so light that a lady can easily operate it. Not built for "Cutting Back" hedges but to keep the new growth trimmed and to enable you to do it so quickly and easily that it can be done frequently, every few weeks and add one-hundred percent. appearance to the entire property.

Each machine packed in wooden case; shipping weight, 25 pounds. May be sent by parcel post.

Price, \$27.50. Full and complete instructions (so simple that a child can assemble) come with each machine.

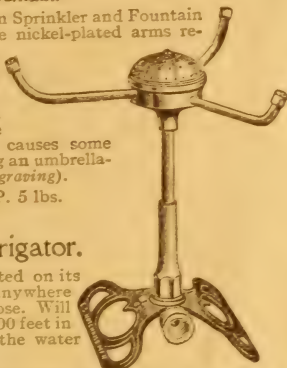


WATER WITCH SPRINKLER ON SPUR.

"Universal" Lawn Sprinkler And Fountain.

This combination Lawn Sprinkler and Fountain is very attractive. The nickel-plated arms revolve, distributing the water in rain-like drops over an area of 25 feet or more in diameter according to the water pressure. In addition to this, the central oval spray cover causes some to be thrown up, forming an umbrella-shaped fountain (see engraving).

Price, \$3.00 each, P. P. 5 lbs.



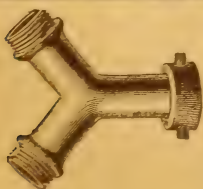
UNIVERSAL LAWN SPRINKLER

The Turbo Irrigator.

This sprinkler, mounted on its tripod, may be placed anywhere and coupled to garden hose. Will water a circle of 50 to 100 feet in diameter, according to the water pressure.

A single stream, broken into a rain of drops and spray is thrown from the nozzle, so that every portion of the ground covered is thoroughly and evenly watered from center to circumference. (See engraving.) Mail weight 10 lbs.

Price, \$20.00.



The "Water Witch" Lawn Sprinklers.

An effective device for sprinkling lawns, gardens or flower beds. The water is divided and deflected by the two lips of the swivel piece, which causes it to revolve rapidly scattering the water in fine drops and evenly over a circular area of 25 to 40 feet diameter. It works more satisfactorily with a very low pressure of water than any sprinkler we know of. (See engraving.)

Price without stand, (i. e., with spur to stick in the ground, 80c. each; (Add extra for Parcel Post weight 1 lb.).

Price, with stand, \$1.50 each. (Add extra for Parcel Post weight 3 lb.)

"Cyclone" Three-Arm Lawn Sprinkler.

This is a low-priced arm Sprinkler; compactly and strongly made with phosphor-bronze bearing and will cover a space 48 ft. in diameter with suitable pressure of water. The top and arms are brass, sled runner of japanned iron. The water flows freely through an unobstructed channel. It stands 12 inches high. (See engraving.)

Price, \$2.00. P. P. 3 lbs.



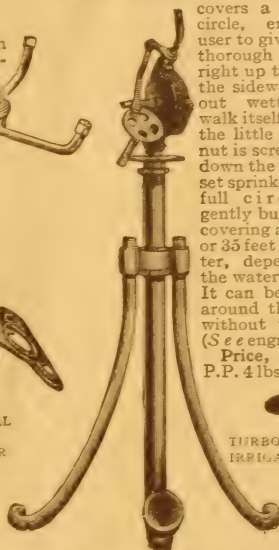
Cyclone Lawn Sprinkler

The Sunset Full Circle and Half Circle Sprinkler.

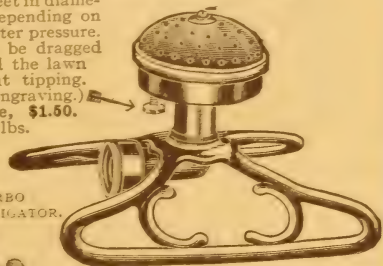
Does the work of two sprinklers. When the little thumb nut is screwed up the Sunset

covers a perfect half circle, enabling the user to give his lawns a thorough drenching right up to the edge of the sidewalk without wetting the walk itself. When the little thumb nut is screwed down the Sunset sprinkles a full circle, gently but thoroughly, covering an area 25, 30 or 35 feet in diameter, depending on the water pressure. It can be dragged around the lawn without tipping. (See engraving.)

Price, \$1.50. P. P. 4 lbs.



TURBO IRRIGATOR.



THE SUNSET SPRINKLER.

Henderson's 4-and 8-Arm Lawn Sprinklers

The Henderson 4 or 8-arm Lawn Sprinklers can be attached to hose and placed anywhere on the lawn, where they serve the double purpose of a beautiful fountain and of a lawn sprinkler. The water is distributed in fine drops over an area of 40 to 80 feet in circumference, according to the water pressure. An ornamental standard, about 4 feet high, is surmounted with long, perforated arms, which revolve, so the beautiful sprays are constantly changing. (See engraving.) Prices, 4-arm sprinkler, \$7.50; 8-arm, \$8.50.

Ball and Basket Attachment, extra, \$6.00. This fits on the top of the Henderson Sprinkler and the stream of water keeps the silvered ball dancing on its summit up in the air. When the ball falls the basket catches it, and it rolls into the center and is raised again by the water.

Bull Dog Hose Clamp

The best device for attaching hose couplings, hose straps for 3/4-in. hose, 60c. doz., P. P. 1 lb. 3/4-in. hose, 75c. doz., P. P. 2 lbs.; 1-in. hose, \$1.25 doz., P. P. 2 lbs.

Ball and Socket Hose Holder. A practical hose holder. It may be stuck anywhere and nozzle pointed in any direction by operating one thumb screw on ball and socket joint. Price, \$1.25. P. P. 4 lbs.



Henderson's "Siamese" Lawn Sprinkler Attachment.

By using these, several sprinklers can be used at one time. A 3/4-in. hose and 30 to 40-lb. pressure will operate 3 sprinklers; 40 to 50-lb. pressure 4 sprinklers; with 1-in. hose and good pressure 6 sprinklers can be operated. By this method large areas of lawn or garden may be watered. Price, for 3/4-in. hose, \$1.00 (P. P. 1 lb.) For 1-in. hose, \$1.35 (P. P. 1 lb.)

CEDAR PLANT TUBS.

Heavy iron hoops. Drop handles, serving as hooks for carrying poles. Iron legs. Removable perforated bottoms. Painted green outside and brown inside. Painted red, if desired, at an extra cost of 10 per cent.



No.	Outside Diameter	Length of Stave	Price
0	27 inches	24 inches	\$14.00
1	25 "	22 "	13.00
2	23 "	20 "	10.75
3	21 "	18 "	9.00
4	18 "	16 "	7.75
5	16 "	14 "	6.25
6	14 "	12 "	5.25
7	13 "	11 "	4.75
8	12 "	10 "	4.00

Henderson's "BEST PARA" RUBBER HOSE



This is the highest grade of garden hose, being made entirely from New Para Rubber, and will outlast cheap hose three times over. We guarantee it to stand a 300-lb. water pressure, and it will be as resilient in three or four years' time as when new, while cheap hose of that age will be hard and rotten. Every length of Henderson's "Best Para Hose is fitted

with the new water-tight couplings, without extra charge. (See engraving.) (Hose is furnished only in 25-foot and 50-foot lengths; the sizes $\frac{3}{4}$ inch refer to the internal diameter of the bore) Prices. $\frac{3}{4}$ -inch bore Para, per 25-foot length, \$5.50; per 50-foot length \$10.00.

STANDARD QUALITY RUBBER HOSE

This is a grade that is often sold as the "best." It is a good hose and will stand a 100-lb. pressure. Each length is fitted with the regular couplings without extra charge. $\frac{3}{4}$ -in. Standard, per 25-ft. length, \$4.75; per 50-ft. length, \$9.00.

Watering Pots.

French or Oval Shaped Watering Pots.—Easily carried in narrow places.



6-quart	\$5.00;
8-quart	\$5.25;
10-quart	\$5.50;
12-quart	\$6.00;

Regular style, galvanized iron, 6-quart, \$1.00; 8-quart, \$1.25; 10-quart, \$1.45; 12-quart, \$1.65; 16-quart, \$2.00.

Wotherspoon's Galvanized Watering Pots. With brass fittings and two brass roses, one fine and one coarse, with each pot, 6-quart, \$4.25; 8-quart, \$4.50; 10-quart, \$4.75; 12-quart, \$5.50. 16-quart, \$6.00.

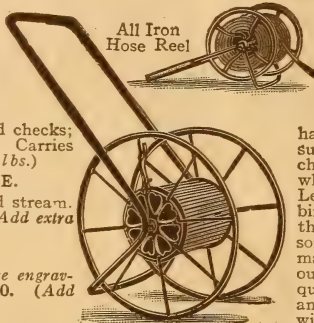


SIMPLEX HOSE REEL.

A stationary reel to be attached to wall or side of a building or fence in any convenient place. Just the thing for small gardens where a portable reel is in the way and where only 25 to 50 feet of hose is used. The smallest diameter of the arms is 12 inches, and when filled with 50 feet of $\frac{3}{4}$ -inch hose, the outside diameter is about 22 inches. The Simplex reel is shipped "knocked down," with all necessary parts and screws to put together and fasten up. Mail weight, 7 lbs. Price, \$2.00.

ALL IRON HOSE REEL.

The All Iron Hose Reels are constructed entirely of iron, and are indestructible; light in weight, frictionless, and the wheels being high make it easily manipulated; these reels cannot tip over when unreeling and there is no weight of hose to carry on the handle. (See engraving.) No. 10, 21-in. wheels, holds 100 ft. $\frac{3}{4}$ -in. hose.....\$4.50
No. 20, 24 " " " 150 " "5.25
No. 30, 30 " " " 500 " "9.00



BIRD NETTING.

To Protect Fruits, Vegetables, Etc.

What is more exasperating than to anticipate a liberal picking of some fruit to find when you reach the garden that your bird neighbors have been there before you and consumed or destroyed the ripest and choicest berries, grapes or cherries, of which some birds are voraciously fond. Lettuce and peas are often ravaged by birds, even flowers are not immune from their attacks, and they reveal among some plants' ripening seeds. All this may be obviated by shutting the birds out with bird netting. This is a good quality cotton netting of 1 inch mesh and comes in 20 foot and 30 foot widths and of any reasonable length. Price, \$2.00 per 100 sq. ft.; P.P. 1 lb.

"HOLE PROOF" HOSE HANGERS

"Hole Proof" Hose Hangers

"Hole-proof" Hose Hangers drain, dry and protect your hose when in use; preserve it when stored; insure it against holes, cracks and checks; double its life and usefulness. (See engraving.) Carries 100 ft. hose, \$1.75. (Add extra for Parcel Post 6 lbs.)

THE "GRADUATING" SPRAY NOZZLE.

Will throw a coarse or a fine spray or a solid stream. (See engraving.) Price, $\frac{3}{4}$ in., 75c.; 1 in., \$1.25. (Add extra for Parcel Post, weight 1 lb.)

BRASS HOSE NOZZLE.

With stop cock spray hose and stream. (See engraving.) Prices, for $\frac{3}{4}$ in. hose, \$1.25, for 1 in., \$1.50. (Add extra for Parcel Post, weight 1 lb.)

GEM NOZZLE HOLDER.

For watering lawns, flower beds, etc. The hose is held firmly and can be adjusted to any elevation. Price, 25c. (See engraving.) (Add extra for Parcel Post, weight 1 lb.)

WIDE FACE HOSE SPRINKLER.

The holes are small and numerous, so that a copious yet gentle shower is given without washing or packing the soil. (See engraving.) Price, for $\frac{3}{4}$ -in. hose, 3 in. face, \$1.00; 4-in. face, \$1.25 (Add extra for Parcel Post, weight 1 lb.)

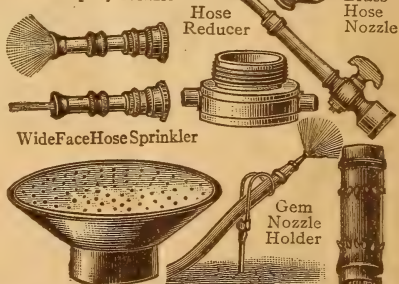
COLDWELL'S HOSE STRAP.

The best device for attaching hose couplings. Hose straps for $\frac{1}{2}$ -in. hose, 30c., doz., P. P. 4 oz.; $\frac{3}{4}$ -in. hose, 35c., doz., P. P. $\frac{1}{2}$ lb.; 1-in. hose, 40c., doz., P. P. 1 lb. Pliers, 40c. P. P. 1 lb.

HOSE REDUCER.

For connecting hose of 1 in. bore with $\frac{3}{4}$ -in. (mailed free,) 50c. (See engraving.)

The "Graduating" Spray Nozzle



Cooper Hose Mender



Reversible Steel Lawn Rake

A complete list of Garden Tools and Implements fully illustrated and described will be found in our spring catalogue "Everything for the Garden." It is sent postpaid to any address on application.



Brush Axe

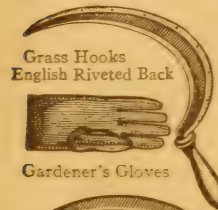


Lawn Shears

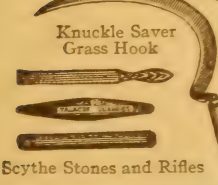


Half Moon Border Edging Knife

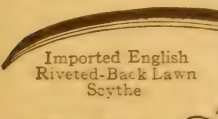
Grass Edging Shears



Grass Hooks English Riveted Back



Gardener's Gloves



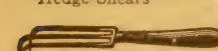
Knuckle Saver Grass Hook



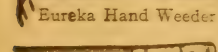
Scythe Stones and Rifles



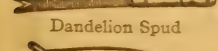
Imported English Riveted-Back Lawn Scythe



"Trowel Shank" Grass Shears



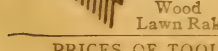
Hedge Shears



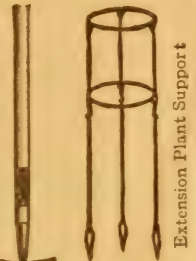
Eureka Hand Weeder



Dandelion Spud



Wood Lawn Rake



Extension Plant Support



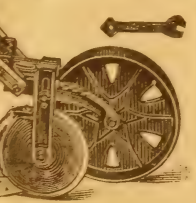
Chisel Weeder



Rubbish Burner



Youth's Set of Gardening Tools



The Planet, Jr. Lawn and Turf Edger

BEST QUALITY HAND TOOLS.

(See illustrations in adjoining column.)

BRUSH AXE. This is an excellent tool for trimming out under-bush, cutting down hedges, etc. Price, handled, \$2.75.

DANDELION AND PLANTAIN SPUD. A handy tool for cutting dandelions, plantain and other weeds out of the lawn. Also useful when out botanizing. Price, 45c. (Add extra for Parcel Post; weight, 1 lb.)

GARDENER'S GLOVES. For protecting the hands, handling thorny plants, etc. Cordovan Horse Hide, per pair, \$2.50. (Add Extra for P. P.; weight, 1 lb.)

Rubber Gardening Gloves. With gauntlets. Men's sizes, \$2.50; Ladies' size, \$2.25. (Add extra for P. P. weight 1 lb.)

GRASS CUTTING SHEARS—Grass Edging or Border Shears. For trimming the grass around the edges of walks, etc. Price, 9-inch blades, \$5.50 or with wheel, \$6.50.

Lawn Shears. For cutting grass under shrubs, fences, etc. Price, with two wheels, 9 inch blades \$7.00.

"Trowel Shank" Grass Shears. Solid steel, of finest quality and temper; 7-inch blades. The raised, trowel-like handles keep the knuckles off the ground and allow smooth cutting, 1.35. (Add extra for Parcel Post; weight 2 lb.)

GRASS HOOKS—English Riveted Back. Thin sharp blades, strengthened by a riveted back, light and rapidly handled. Small size, 65c.; medium size, 75c.; large size, 85c.

Knuckle Saver Grass Hook. The handle is raised from the blade, making it possible to cut close without bruising or skinning the knuckles. Price, 65c.

Popular Grass Hook. Low in price but of very good edge holding quality. Price, 50c. each.

HALF MOON BORDER EDGING KNIFE For trimming sod around walks, etc. Price, with handle, \$1.25 each.

HEDGE SHEARS. For both trimming hedges and cutting grass under fences, bushes, etc. The "Notch" at the heel of the blade is for cutting branches.

English Hedge Shears. 8-inch blades \$3.00; with notch \$3.25; 9-in. blades \$3.25; with notch, \$3.50; 10-in. blades, \$3.50; with notch, \$3.75.

IMPORTED ENGLISH RIVETED-BACK LAWN SCYTHE. Light and thin broad blades, with a riveted back. Price, 32 inch, \$3.00; 34 inch, \$3.25; 36 inch, \$3.50; 38 inch, \$3.75.

LAWN RAKES—Reversible Steel Lawn Rake. Heavily tinned steel teeth. The arched teeth for leaves and litter and the opposite side for fine cut grass. Twenty-four teeth closely set in a 21-inch head. Price, 90c. each

Wood Lawn Rake. Our wood rakes are of superior grade; selected wood; 3 bow. Wood Hay, 12 teeth, \$1.00 each.

Wood Lawn, 24 teeth, \$1.00 each

PLANET, JR. LAWN AND TURF EDGER. This very handy and desirable little tool trims the turf around the edges of the flower beds, walks, roads, etc., and is invaluable in giving a finished appearance to the lawn. The revolving cutter does perfect work, either on a curved or straight border, edging accurately at just the correct angle and at the speed of a mile an hour, while the hoe cleans the bottom of walk. The hoe can be removed if desired. The small tooth is for cement and stone walks. Price, complete, \$6.25.

SCYTHE STONES AND RIFLES. English round taper ends, 40c. each, \$4.00 doz. "Ohio-Red end," flat stone, 10c. each; \$1.00 doz. Rifles, quadruple emery-coated, 20c. each, \$2.00 doz.

KAUFMAN RUBBISH BURNER.

Small 15 x 24.....	\$8.00
Large 20 x 35.....	14.00

SUN DIALS.—Sun Dials are very unique and interesting ornaments for the lawn or garden. We supply the figured plates, all ready to screw up or cement to the pedestal or post. The figures etc., are of raised metal; diameter of plate, 10 inches.

Cast Iron, Japanned gilt (P. P. 6 lbs.).....	\$ 3.75
Bronze, polished figures (P. P. 8 lbs.).....	14.00

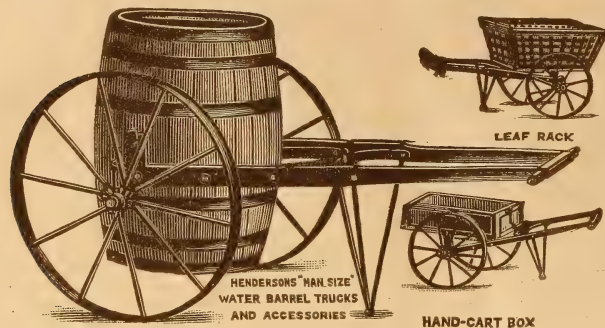
WEATHER VANES.—Price on application.

WEEDING TOOLS—Eureka Hand Weeder. Our choice of the finger weeders; the prongs, being of solid forged steel, are thin and long, and do good work in loosening soil. Short handle, 50c. each. (Add extra for Parcel Post; weight, 2 lbs.) Long handle, 60c. each.

Chisel Blade Weed Cutter. Long handled so it can be pressed into the soil, cutting off roots or weeds without marring the lawn. Price, \$1.25 ea.

Lifting Weeder. A chisel blade cut off the weeds; the trigger holds them so they can be pulled out. Price, \$1.25 ea.

YOUTH'S SET OF GARDENING TOOLS.—These are of first-class quality; not toys. The set consists of digging fork shovel, hoe, rake trowel and weeder. Price, \$5.00 per set.



HENDERSON'S "MAN-SIZE" WATER BARREL TRUCKS AND ACCESSORIES.

The Barrel, capacity about 50 gallons, is raised from the ground, carried to the place desired, and can be readily disconnected from or attached to the truck while barrel is either full or empty.

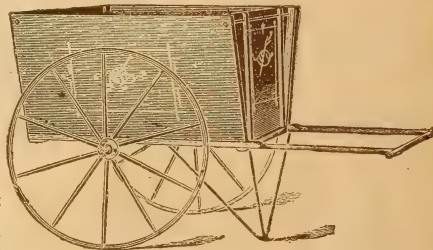
We supply as extra attachments the following: A Box with trunnions and spring catch, making a very superior dumping Hand-cart. A Leaf Rack, very useful for removing leaves and litter. A Force Pump for spraying, etc. (For a Spray Pump we recommend our "Fruitall" offered on this page.)

PRICES OF HENDERSON'S "MAN-SIZE" WATER BARREL TRUCKS AND ACCESSORIES

Water Barrel-Truck, 2 in. tire	16.00	with new 50 gallon barrel	\$23.50	Hand-cart Box Extra	\$7.00
Extra 50-gallon barrel, with trunnions on	18.50		26.00	Leaf Rack	13.00
			7.50	Extra trunnions, per pair	1.00

Henderson's Lawn and Leaf Hand Cart.

Especially adapted for carrying large quantities of light material, such as cut grass, leaves and litter; the box is deep and flaring—measures at the bottom 28 inches wide by 48 inches long. 10 inches wider at the top; it is 24 inches deep; nicely painted green and vermilion, striped and varnished; 30-inch wheels. Price, \$33.00.



Auto Compressed Air Sprayer.

The standard of all compressed air sprayers. Can be used in every variety of garden work. Will spray five acres of field crops, a limited number of trees, and will handle whitewash, etc., in the Poultry house. Capacity about 4 gallons. Easily carried either by handle or shoulder strap. Made with tank of either brass or galvanized iron, furnished with Auto-pop Nozzle No. 1, with which the spring is instantly controlled, and is automatically self cleaning.

NET PRICES

Auto-spray No. 1 B, Brass tank with Nozzle	\$9.50
Auto-spray No. 1 D, Galvanized tank with Nozzle	6.50
Two row attachment for spraying 2 rows at one passing	1.35
Brass Extension Pipes, 2-ft. lengths, each	.55
Brass Elbow for spraying under leaves	.30
Torch for burning worms' nests	1.00
Brass Strainer for straining solution	1.35

The "Success" Knapsack Sprayer

AND BUCKET SPRAYER COMBINED

This valuable Sprayer is used for applying Bordeaux Mixture and other fluid remedies in a mist-like spray, for the treatment, prevention and cure of mildew, black rot, potato blight and kindred diseases; with it a man can spray five to six acres of vines in a day. The working parts are made entirely of brass, and the chemicals will not corrode or rust them. The air chamber keeps up a steady pressure, so a continuous discharge is given. The Pump may be worked with either the right or left hand. The drip cup is just below the air chamber, and is made extra wide, so that any leakage around the plunger is returned into the tank and not allowed to run down the operator's back. An attachment is furnished for under-spraying. This sprayer may be used either as a knapsack or bucket sprayer. Price Complete: Brass Tank, \$24.00; Galvanized Tank, \$18.00.

Henderson's "Fruitall" Spray Pump.

For spraying fruit, ornamental and shade trees, vines, grapes, etc.

It has all working parts of brass, and can be mounted on or removed from barrel or tank by the simple adjustment of two thumb-screws. The pump is easily operated by a single person. The Paddle Agitator is mechanical in its action and much superior to the old method of "return discharge."

Prices (For Barrels and Truck, see above).

Henderson's "Fruitall" Pump only (with Agitator) \$13.50; with barrel, \$21.00.

Henderson's "Fruitall" Pump, Outfit "A", single spray, pump with one lead 15 ft., ½ in. discharge hose, with "Vermorel" Spray Nozzle and Agitator, \$18.00; or with

barrel, \$25.00.

Extras for Tall Tree Spraying.

The following are adaptable for any of our Spray Pumps:

Iron Extension Rods, 8 feet long with shut-off cock at base fitted to attach hose at bottom and nozzle at top, \$2.65 each; brass shut-off for 1 lead, \$1.85 extra; for 2 leads, \$2.50 extra.

Spray Hose, ¼-inch, 16c. per foot. Couplings, extra, 35c. per set.



HENDERSON'S "FRUITALL" SPRAY PUMP.

"SUCCESS" KNAPSACK SPRAYER.

Leggett's Champion Powder Gun.



Blows all dry powders over plants and into trees for the killing of insects and fungus. It will cover a given area more thoroughly with a cloud of powder, and use less than any other contrivance. With it are supplied nozzles for different uses. With the "V" nozzles, two rows of potatoes are dusted at one time, then there is a hood nozzle for cabbage worm dusting—it keeps the powder from escaping beyond the head; then there is a curved nozzle for under dusting, and telescopic nozzles to blow powder into trees. It is the most satisfactory powder dusting apparatus ever invented. It weighs about 5 lbs., is easily carried, and is operated by turning a little crank.

Price, complete. \$15.00

The Houghton Sprayer

All you need is water pressure and a hose with nozzle. Remove the nozzle and attach the Houghton Sprayer, charged with whatever cartridge you may need, and the sprayer is ready for use. Now you turn on the water and spray any infected tree, shrub or plant.

The Houghton Sprayer consists of a clear, crystal glass holder for a cartridge, which enables one to watch the cartridge dissolving, when the sprayer is being used. The cartridge is ready made, a uniform solid compound of the elements needed to kill insect pests. After the cartridge has been inserted into the sprayer, and as the water passes through, a constant solution is produced.

Price \$6.00. Mail weight 6 lbs.

CARTRIDGES FOR THE HOUGHTON SPRAYER

Arsenate of Lead for chewing insects like the potato beetle, and caterpillars, also the gypsy and coddling moths.

Whale-Oil Soap and Arsenate of Lead—combination for general spraying.

Price, 50 cents each.

Mail weight of cartridges 1 pound.

SOLID BRASS COMPRESSED AIR ATOMIZER

Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles, making a perfect under leaf sprayer, and holds 1 quart. Price, \$1.50 (mail weight 3 lbs.)

HENDERSON'S SHEET BRASS VAPORIZING SPRAYER

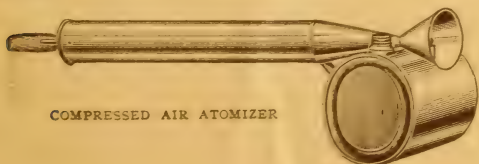
Sprays fluids in the form of mist. The tapering point to the air-chamber gives great force to the spray. Holds one quart. Price, \$1.40 (mail weight 3 lbs.)

Jumbo Powder Gun.—For applying insect powder; it holds about 4 oz. of powder, which is ejected and distributed by pressure with the thumb. Price, 40c. each. P. P. 1 lb.

Woodason's Double Cone Dry Powder Bellows. The double cone bellows can be held in any direction without wasting powder, as it regulates its own supply. It dusts under the leaves as well as on top. Price, \$6.50. P. P. 6 lbs.

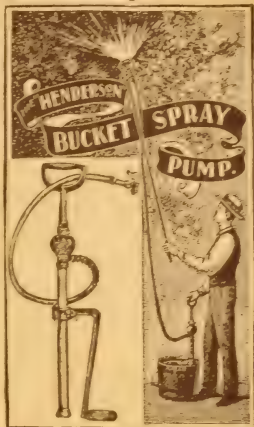
Woodason's Single Cone Dry Powder Bellows. Price, large size, \$4.00, small size (for conservatory and house use), \$2.75. P. P. 3 lb.

Norton's Plant Duster.—For dusting potatoes, vines, etc. The guard prevents the powder from escaping beyond the plant being treated. Price, \$1.75 each. P. P. 4 lbs.



COMPRESSED AIR ATOMIZER

The "Henderson" Hand Bucket Pump.



This is the best and most durable portable hand pump in the market. Working parts are made of solid brass with large air chamber, and is double acting, throwing an absolutely continuous stream, either solid or in a fine spray as desired. Very light and easily carried, and works from any bucket or tub. Just the thing for throwing liquid insecticides and fungicides on low trees, shrubs, plants, etc., and by altering the nozzle it can be used for washing carriages, windows, etc. Price, with 3 feet of hose and combination spray and stream nozzle, \$6.25; or with extra 7 ft. section of hose and pole connection for tree spraying, \$7.50. (Mail Weight 10 lbs.)

Asbestos Torch.



Attach the torch to the end of a pole of suitable length, saturate with kerosene oil light and hold under the caterpillars' nests and quickly pass along branches and around the trunk of tree where the insects lodge. The heat will instantly destroy insects and not injure tree. Price, 40c. each, P. P. 1 lb.

Erado Kills Weeds.

This does away with the old-fashioned laborious and back-breaking method of digging up dandelions and weeds of all kinds by hand, and instead drops weed-killing solution on the root.

It is a simple matter to refill Erado. Remove the handle by a half turn. The solution is then put in the tube and handle is easily replaced. Erado is then ready for work. Push the plunger into the center of the plant. The solution is then automatically fed.

Gasoline or Weed Destroyer may be used. (Mail Weight 2 lbs. Price \$1.50 each.)



The Key Duster Gun and Cartridges.

The Easy Way of Ridding Your Garden of Disease and Insect Pests
No Mixing—No Messing—No Waste

The Key Duster Gun is a specially devised instrument for using the Key Cartridges. Of simple construction, 12 inches long. Finished in red enamel. No parts to corrode or get out of order.

Price of Gun, \$1.50. Mail weight, 2 lbs.

The Key Cartridges.—Many people prefer to apply insecticides and fungicides in powder form. The Key Cartridges supply the simplest and best method for using the powders. The cartridges are filled with specially prepared insecticide and fungicide materials. Approved by Agricultural Experiment Stations. All in sealed cartridges, ready to apply instantly without waste.

For Vegetables and Small Fruit. Use Cartridge B. A.	15c. each	\$1.80 doz.
For Flowers and Shrubs. Use Cartridge Orange	15c. each	1.80 doz.
For Fruit and Vegetables nearly ripe. Use Cartridge Hellebore	15c. each	1.80 doz.
For Aphids and Many Soft-Bodied Insects. Use Cartridge Kaphis	15c. each	1.80 doz.
For Orchard Fruit. Use Cartridge L. A. S.	15c. each	1.80 doz.

Mail weight of cartridges 6 ounces each.



WOODASON'S POWDER BELLOW

"El-Flo" Home Canning Outfits

Preserve the Surplus Products of Your Garden in Half Usual Time

With an "El-Flo" Outfit canning is a work of pleasure and is accomplished in half the time. A Book of Instructions, with proper recipes for canning vegetables and fruits, furnished free with every canner.

"El-Flo" One-Hole Kitchen Canner, No. 14. Round boiler, 14 inches wide by 12 inches high, with accessories for canning in tin or glass; holds 14 No. 3 (1 lb.) cans or 7 quart jars. May be used on any coal or wood cook stove. Capacity, 80 to 150 cans or 93 quart glass jars per day. Weight, 15 lbs. (See engraving.) Price, \$4.50.

"El-Flo" Small Family Outdoor Canner, No. 16. A complete canner with fire box, which burns either coal or wood. It can be placed anywhere outdoors and keeps the "canning mess" out of the kitchen. Weight 28 lbs. Price, \$9.00.

"El-Flo" Large Family Outdoor Canner, No. 30. A complete canner with firebox that burns either coal or wood, and can be placed anywhere outdoors. The oblong boiler, measuring 14 x 23 inches by 23 inches high, holds 30 No. 3 (1-lb.) tins or 15 glass quart jars. Weight, 55 lbs. Price \$13.50. Price for larger sizes on application.

Fruit, Wine and Jelly Press.



Superior, simple, easily operated, saves all re-handling, as it extracts the juice and ejects the skins and seeds in one operation; it can be used for many purposes, including the making of wine, jellies, fruit butters from grapes, currants, quinces, pineapples, tomato catsup, etc.

Price, family size, capacity 1 qt., \$9.00.

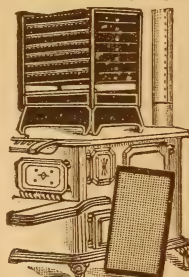
The Red Cross Senior Cider Mill.

The Red Cross Senior is a large, powerful mill, staunchly constructed and of ample capacity for use where there is a great quantity of fruit to be handled. Considering its size and capacity this mill can be operated very easily by hand, and two cranks (on opposite side of the mill) are provided for this purpose. A pulley accommodating a 3½-in. belt is furnished for operation by gasoline engine or electric motor. The Senior is equipped with the Patented Red Cross Self-Aligning Bearings. The press screw and cross-head are uncommonly heavy and great pressure can be exerted.

Prices and size of mill on application.



COOK STOVE FRUIT DRYER OR EVAPORATOR



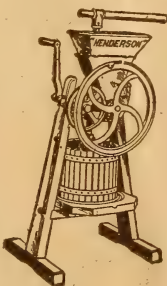
COOK STOVE FRUIT DRYER.

This is the latest, cheapest and best machine of its kind on the market. It can be used on any kind of stove. Its dimensions are: Base, 22x16 inches; height, 26 inches. Containing eight galvanized wire-cloth trays. Weight 25 lbs. No extra fire is required. It is easily set off and on the stove, as needed, whether empty or filled with fruit.

With it you can evaporate all kinds of fruits, berries, and vegetables. Price, \$10.00.

The Improved Force Feed Cider Mill.

The Self-Feed is designed for use where there is no great quantity of fruit to be ground and pressed. This sturdy single tub mill has a very efficient grinding device and will handle all sizes of apples without clogging or being forced. Tapering design gives Self-Feed great strength and stability. Heavy iron cross-head, carrying the working parts, is held in mortises in frame and, in addition to four heavy bolts, receives support from steel bands on inside of legs. Self-Feed has no complicated parts to get out of order, is equipped with large balance wheel, and operates very easily. All wood parts except



trough and press lever are made of best clear maple. The troughs are made of poplar, giving off no odor or taint to effect taste of fruit juices. Press lever is turned from straight-grained ash. Grinding parts are heavy iron. Cutting roll slices and tears fruit, feeding it into grinding rolls which crush every particle, opening juice cells and extracting all the juice when tub is placed under the powerful press screw. Shafts and press screw are of cold rolled steel; very strong. Self-Feed specifications. Legs, 40 in. high; tub, 14 in. wide, 12 in. high outside; press screw, 1½x24½ in.; weight each 130 lbs.; capacity 1 to 2 bbls. of cider daily. Price, \$22.50.

WOOD PLANT STAKES.

Stakes—Round Green Tapering			Square Green Tapering			Round Dahlia Green, White			Poles Tops		
Length	Doz.	100	Doz.	100		Length	Doz.	100			
2 feet	\$0.60	\$3.75	\$0.50	\$3.25		2 feet	\$1.10	\$7.50			
3 "	1.10	7.25	0.90	6.75	3 "	1.60	11.25				
4 "	1.40	11.30	1.25	10.00	4 "	2.25	15.00				
5 "	1.85	14.00	1.85	14.50	5 "	2.75	18.75				
6 "	3.25	24.00	2.25	16.00	6 "	3.50	22.50				

Hardwood Stakes. Eight feet long; suitable for growing pole beans. Price, \$3.00 per doz; \$22.00 per 100.

Chinese Bamboo Stakes. 47-inch length; ½-inch diameter. Price, per 100, \$35.00; per 1,000, \$300.00.

Japanese Bamboo Stakes imported bamboo stakes, very strong and durable.

4 feet—Natural color.	Per 100	\$2.50
6 "	"	6.00
8 "	"	8.00
12 "	"	28.00

**Insecticides and Fungicides marked with an asterisk * cannot be sent by Parcel Post. We will forward them by Express or Freight.*

REMEDIES FOR INSECTS AND FUNGUS CONTACT AND STOMACHIC

Insects that Suck the Juices from Plants, Foliage, etc., such as lice, green, black and white aphid or fly, mealy bug, red spider and scale, thrust their proboscis into the leaf or stem, and are not affected by stomach poisons; so they must be destroyed by contact insecticides. Those in powder form kill by closing the breathing pores in the insect's skin; or in fluid form by being absorbed through these pores. The best contact insecticides in powder form are Bug Death, Hellebore, Slug Shot and Tobacco Dust. The best in fluid form are Aphine, Black Leaf 40, Fish (Whale) Oil Soap, Kerosene Miscible Oil and Lemon Oil.

Insects that Eat Plants, Foliage, Vegetables, Fruits Flowers, etc., whether bugs, beetles, worms, caterpillars or slugs, are more quickly and effectually destroyed with a poisonous stomachic insecticide such as Arsenate of Lead, Paris Green or Hellebore. These if applied according to directions are so diluted as to be harmless to vegetation and to animal life. Less poisonous stomachic and contact insecticides are Bug Death, Kerosene Emulsion, Slug Shot, etc.

***APHINE.** Very powerful, soluble in water applied as a spray, wash or dipping solution. It kills aphid, thrip, red spider, slugs, ants, mealy bug, scale. Price, 1 gill, 25c.; ½ pint, 40c.; pint, 65c.; quart, \$1.00; gallon, \$3.00.

ANT-I-CIDE. A powder with a repellent odor, effective against ants and crawling insects that infest lawns. Strew so the surface infested will be thoroughly covered. One pound will dress about 300 square feet. Price, 1-lb. package, 25c., mail weight 2 lbs.; 5-lb. bag, \$1.00, mail weight 6 lbs.; 25-lb. drum, \$4.50, mail weight 30 lbs.

***ARSENATE OF LEAD—PASTE.** A poison taking the place of Paris Green. Its advantages are that it adheres to foliage, does not readily wash off by rain and does not injure tender foliage. It is white in color and shows just where it has been applied. Price, 1-lb. tin, 40c.; 5-lb. tin, \$1.75, 10-lb. pail, \$3.00; 25-lb. bucket, \$6.00; 50-lb. bucket, \$10.50; 100-lb. keg, \$19.00.

***ARSENATE OF LEAD, POWDERED.** May be used either as a dust diluted with hydrated lime, plaster or road dust, or as a liquid spray with water, lime-sulphur, solution or Bordeaux, only half the weight is needed as of the paste form. Price, 1 lb., 65c.; 5 lbs., \$3.00; 10 lbs., \$5.00; 25-lb., \$12.00.

****"BLACK-LEAF 40."** Very effective for sucking insects such as plant lice, red spider, leaf hopper, thrip, etc., sprayed on. Dilute 2 teaspoonsful to a gallon of water. It also forms a splendid spray for both insects and fungus with Bordeaux. Price, 1-oz. bottle, 35c.; ¼-lb. tin, \$1.25, 2-lb. tin, \$3.75; 10-lb. can, \$13.75.

***BORDEAUX & ARSENATE OF LEAD.** A combination in proper proportions of these standard insecticide and fungicide remedies, killing insects and plant diseases at one spraying and in half the time required to spray on separately. Quantity required, 1 to 2 lbs. in 10 gallons water. Price, 1 lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.00; 50 lbs., \$11.50; 100-lb. keg, \$21.00.

***BORDEAUX—LIQUID.** Ready for use by simply adding 1 part to 50 of water. An indispensable fungicide, curing and preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants. Price, 1 pint, 40c.; 1 quart, 75c.; 1 gallon, \$1.85; 5 gallons, \$8.00.

***BORDEAUX, POWDERED.** Requires 1 to 1½ lbs. to 10 gallons of water as fungicide spray. Price, 1 lb. 55c.; 5 lbs., \$2.50; 10 lbs., \$4.00.

QUICK BORDEAUX MATERIAL FOR APPLES, GRAPES AND VEGETABLES OF ALL KINDS. Different from other prepared fungicides because the special physical conditions of materials permits going into solution quickly giving a perfect Bordeaux Mixture that is fresh and strong. Dilute 10 pounds with 50 gallons of water for a 3-3-50 Bordeaux Mixture. Price 1 lb., 30c.; 5 lb., \$1.00; 10 lb., \$1.75; add 1 lb. for packed weight.

BUG DEATH. A non-poisonous insect-killing powder, for worms, bugs and caterpillars. Apply with a duster, bellows or powder-gun, at the rate of about 12 lbs. per acre. Mail weight, 1½ lbs., per lb. Price 20c. per lb.; 3 lbs., 45c.; 5 lbs., 65c.; 12½ lbs., \$1.40; 100 lbs., \$9.00 allow 1 lb. extra for packing.

BUG SHAKER for applying above, 50c. Mail weight 2 lbs.

***COPPER SOLUTION, AMMONIATED.** A fungicide, for spraying when fruits are nearing maturity, or plants in bloom. One quart is sufficient for 25 gallons of spray. Price, 1 quart, \$1.15; 1 gallon, \$3.50.

CUT WORM KILLER. It has an enticing odor and attracts worms. One pound is sufficient for 175 plants in hills, or 100 feet when in rows. Price, 1-lb. box, 35c. (mail weight 2 lbs.); 5-lb. box, \$1.50 (mail weight, 6 lbs.); 25-lb. drum, \$5.00; 100-lb. bag, \$15.00.

FISH OIL SOAP. (Whale Oil Soap.) A wash for insects and eggs on the bark, and for smearing the trunks of trees to prevent worms from crawling up. Price, 25c. per lb. (mail weight 2 lbs.); 5 lbs., \$1.10 (mail weight 6 lbs.); 10 lbs., \$2.00; 25 lbs., \$4.00.

***FORMALDEHYDE.** A preventive of fungoid diseases as potato scab, smuts, musty corn, damping off of seedlings, club root, etc. The dilution is 1 lb. (1 pint) to 15 or 20 gallons of water and 1 to 2 gallons of this dilution is required for the treatment of a bushel of seed. Price (40 volume %), 1-lb. bottle, 50c.; 5-lb. bottle, \$1.50; 9-lb. bottle, \$2.50.

***FUNGINE.** An effective sulphurated spraying remedy for mildew, rust and other blights. Does not stain the foliage. Price, half pint, 40c.; pint 65c.; quart, \$1.00; gallon, \$3.00.

***GENERAL DISINFECTANT.** Two or three times the strength of carbolic acid. Effective for veterinary use, for household and for cleansing places occupied by cattle, horses, dogs, hogs and poultry. Price, 70c. per quart; \$1.75 per gallon; \$7.00 per 5-gallon can.

HOLDZEM. An adhesive especially prepared for catching rodents in house and barn. Preferable to poison or traps. Non-poisonous, non-inflammable. Spread it on a board. Price ½ lb. tins, \$1.25; 1 lb. tins, \$2.25; 5 lb. tins, \$10.00. Add 1 lb for mail weight per package.

HELLEBORE, Powdered White. Less poisonous than Paris Green and Arsenate of Lead, and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved, 1 ounce in 3 gallons of water. Price, 75c. per lb.; 5 lbs., \$3.50 (mail weight, 1½ lbs. per lb.).

***KEROSENE MISCIBLE OIL.** Better than Kerosene Emulsion. Is especially valuable against all soft bodied insects. Can be used in place of Nicotine. Contains 80% Kerosene. Dilute 1 part Oil to 16 parts water. Tender plants 1 part to 36 parts water. Price, 1 pint, 40c.; 1 quart, 70c.; 1 gallon, \$1.75; 5 gallons, \$7.00.

***LEMON OIL.** Efficient for all sucking insects and soft scales. Apply as a spray or wash. Price, ½ pint, 30c.; 1 pint, 50c.; quart, 90c.; ½ gallon, \$1.50; 1 gallon, \$2.50.

***MELROSINE.** the only remedy—endorsed by leading authorities. The GENERAL CONTACT INSECTICIDE that KILLS ROSEBUGS and other insects. Used with any good spray-pump, diluted with from 20 to 25 parts of water. Pleasant and harmless to use. Guaranteed effective when used according to directions on can. Gal., \$6.00; Half-Gal., \$3.25; Qt., \$1.75; Pint, \$1.00. Trial size, \$0.50. By express at customer's expense. Trial size, sufficient to make one gallon when diluted.

***NICO FUME LIQUID.** Price, ¼ lb. can, 65c.; 1 lb. can, \$2.00; 4 lb. can, \$7.50; 8 lb. can, \$14.50.

***PARIS GREEN.** An insoluble, poisonous powder for potato bugs, codling moth, worms, caterpillars, slugs and bugs. Applied as a powder it should be mixed with plaster or flour, 100 parts to 1 part of Paris Green; in solution mix 1 lb. in 200 to 300 gallons of water. Price, ¼ lb., package 35c.; 1-lb. package, 65c.; 5-lb. package, \$3.00.

***PYROX.** An insecticide and fungicide for eating insects blights and fungus. Mix with water to apply. Price 1-lb. bottle, 40c.; 5-lb. crock, \$1.50; 10-lb. crock, \$2.50; 25-lb. crock, \$5.75; 50-lb. keg, \$10.00; 100-lb. keg, \$18.00.

***RAJAH DISINFECTANT.** Deodorizer, cleanser, it will destroy all germs or insect life that breathes through its sides and has no lungs. Non-poisonous to other animal or human beings. It is non-explosive. Mouth spray free with each can. Do not use on Plants. Price, ½ pint 35c.; 1 pint, 50c.; 1 quart, \$1.00; ½ gallon, \$1.75; gallon \$2.50; 5 gallons, \$10.00.

***SCALECIDE.** The best spray for San Jose scale, cotton, maple scale, &c. It is not poisonous, being a preparation of petroleum that mixes with cold water and is ready to apply. Price, 1 quart, 60c.; 1-gallon can, \$1.45; 5-gallon can, \$6.50; 10-gallon can, \$11.00; 30-gallon barrel, \$27.00.

***SCOTCH SOFT COAL SOOT.** Used in drills, it checks the attacks of grubs or cut worms, and drives away insects that hide in the ground and lay their eggs near the roots. Price, 50-lb. bag, \$3.50; 100-lb. bag, \$6.00.

Where the packed mail weight is given the goods may be sent by Parcel Post. If no mail weight is given they can only be sent by express or freight.

INSECTICIDES—Continued.

SLUG SHOT. A non-poisonous powder insecticide. Price, per keg of 125 lbs. net, \$12.50; per barrel of 250 lbs. net \$22.50; 10-lb. package, \$1.20 (mail weight, 1 1/2 lbs. per lb.); 5-lb. package, 65c.; in tin canister with perforated top for applying, 40c. each (mail weight, 2 lbs.).

SULCO-V. B. A combined contact insecticide and fungicide of unusual merit for the control of San Jose and other scale insects. Also used as a sheep, cattle and hog dip, and for poultry lice. Dilutes—1 to 25 and 1 up to 100 according to requirements. Price, pint, 35c.; quart, 60c.; 1/2 gallon, \$1.00; 1 gallon, \$1.75; 5 gallons, \$7.50; 10 gallons, \$13.50; 30 gallons, \$27.00; 50 gallons, \$40.00 not mailable.

SULPHUR, FLOWERS OF. Price, 15c. per lb. (mail weight, 2 lbs.), 10 lbs., \$1.25; 25 lbs. and over, at 10c. per lb. (mail weight, 1 1/2 lbs. per lb.).

TOBACCO DUST, FINE. For green and black aphids, flea-beetles, etc. Price, 15c. per lb. (mail weight, 1 1/2 lbs. per lb.); 5 lbs., 65c.; 10 lbs., \$1.20; 25-lb. bag, \$2.00; 50-lb. bag, \$3.50; 100-lb. bag, \$6.00.

TREE TANGLEFOOT. No crawling insect can pass a band of tree tanglefoot. One pound for 6-foot band 4 inches wide, 1/4 inch thick. Price, 1-lb. can, 50c.; 5-lb. can, \$2.25; 10-lb. can, \$4.25; 20-lb. can, \$8.00. (mail weight, 1 1/2 lbs. per lb.).

Henderson's Worm-Killing Grass Food

Henderson's Worm-Killing Grass Food not only stimulates the grass on lawns, putting-greens, tennis courts, croquet grounds, etc., into rich green growth but it quickly eliminates the earth or angle worms that burrow in the turf in almost unbelievable quantities, causing the soil to become sticky, sour and loosening it and the roots, so that hot sun and dry weather cause the grass to turn yellow and die out in spots. More lawn troubles are traceable to earth worms than most people realize and we advise all whose grass is not as good as it should be to apply Henderson's Worm-Killing Grass Food at the rate of 1/2 pound to a square yard during rainy weather or else water in thoroughly with a hose. The worms will then almost immediately come to the surface and die. For putting-greens it is invaluable, keeping them free from worm casts, level and true without the trouble and expense of daily brushing and rolling. It is used by many Golf and Country Clubs and on many private grounds in the United States, and all users are gratified with the results. Henderson's Worm-Killing Grass Food is a non-



poisonous powder not injurious to animal or bird life. Its fertilizing properties, while combined into a well-balanced grass food, are not so strong but that it can safely be applied on grass according to directions at any season of the year. Use one pound for each two square yards. Though late in the season when the worms are deep in the ground, the quantity may be increased.

Price of Henderson's Worm-Killing Grass Food (F.O.B.N.Y.)
 5-lb. pkg. \$0.90 50-lb. bag \$5.50
 10-lb. pkg. 1.65 100-lb. bag 10.00
 25-lb. pkg. 3.00 Ton 150.00

HENDERSON'S FERTILIZERS.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BONE FERTILIZERS

Quantity Required. For lawns, pasture and mowing lands, 1/2 to 1 ton per acre. For trees and vines, 2 to 4 quarts each. For field and garden crops, 1/2 to 1 ton broadcasted and harrowed in. For rose beds, pot plants, etc., one part to about fifty of soil.

Raw Bone Meal. This is ground very fine, decomposes rapidly in the soil and is more quickly beneficial.

Price, 5-lb. package, 40c.; 10-lb. package, 75c.; 25-lb. bag, \$1.50; 50-lb. bag, \$2.50; 100-lb. bag, \$4.50.

Blood and Bone. A very high grade fertilizer and superior for immediate as well as for prolonged results; it is of exceptional value for garden crops, root crops, corn, grain, grasses, fruit trees, small fruits, grape vines, and, in fact, all vegetation.

Quantity required. When broadcasted and harrowed in use from 1/2 to 1 ton per acre. For garden crops drill in 300 to 500 lbs. per acre.

Price, per 100-lb. bag, \$4.50.

HENDERSON'S GARDEN FERTILIZER.

Easily applied by sprinkling over the surface of the soil and raking in. Two or three additional applications, at intervals, will produce magnificent results. A 10-lb. package is sufficient for a space 15x20 ft. for one application, or 1000 to 1500 lbs. per acre. Instructions on each package.

Price, 5-lb. package, 40c.; (mail weight 6 lbs.) 10-lb. package 75c.; (mail weight 11 lbs.) 25-lb. bag, \$1.50; 50-lb. bag, \$2.50; 100-lb. bag, \$4.75.

HENDERSON'S HOUSE PLANT FERTILIZER

A safe, clean and high-grade fertilizer, free from disagreeable odor. Detailed directions on each package.

Price, 12-oz. package, sufficient for 25 ordinary-sized plants for one year, 25c. (mail weight 1 lb.).

PURE ANIMAL MANURES

Quantity Required. For garden and field crops, 1 to 2 tons per acre—1/2 before plowing, the balance before harrowing. For top-dressing, use 1 ton per acre in fall or early spring.

Sheep Manure Pulverized. Price, 50-lb. bag, \$2.00; 100-lb. bag, \$3.75; in packages 5 lbs. 40c.; (mail weight 6 lbs.) 10 lbs., 70c. (mail weight 11 lbs.).

Cattle Manure Dried. \$3.50 per 100-lb. bag.

Ashes, Canada Hard Wood. Indispensable for all crops requiring potash; very beneficial for garden and field crops, grass lands and lawns. Apply 1 to 2 tons per acre.

Price, per 100-lb. bag, \$2.50; per bbl. of about 200 lbs., \$4.50.

THE "HENDERSON'S" LAWN ENRICHER

The Henderson Lawn Enricher is clean and odorless. It should be sown broadcast in the spring or fall.

Quantity Required. For a new lawn a 10-pound package is sufficient for an area of 300 square feet or 1,000 to 1,500 pounds per acre, or half quantity for renovating an old lawn. Apply if possible just before rain. If applied during the summer use half the quantity, and water in thoroughly with a hose.

PRICES.—(purchaser paying transit charges.)

5-lb. package (mail wt. 6 lbs.) .35 50-pound bag... 2.25
 10-lb. package (mail wt. 11 lbs.) .60 100- " " 4.25
 25-pound bag (mail wt. 30 lbs.) 1.30

"CLIMAX" LAWN SAND

A non-poisonous, dried chemical, which if evenly distributed 4 ounces per square yard kills weeds by adhering to their broad flat leaves, but falls clear to the roots of grass, and fertilizes the soil.

It is marvelous how quickly the grass improves. Price, 3 1/2 lb. tins 75c. 7 lb. tin \$1.25. 14 lbs., \$2.25. 28 lbs., \$3.75; 56 lbs., \$7.00.

The Most Beautiful Lawns in America

Are made with the **HENDERSON LAWN GRASS SEED**. This celebrated mixture has been thoroughly tested by country-wide use for more than half a century. It is the fruit of years of experience and close study of *American conditions* and is undoubtedly the best for the *American climate*. By its use a deep green, velvety sward, free from clumps, can be produced in from four to six weeks' time.

THE FALL SEASON IS ESPECIALLY FAVORABLE TO THE GROWTH OF YOUNG GRASS, for at that season the seeds have the benefit of a thoroughly warmed ground and a copious rainfall, which hastens germination and enables the grass to become firmly established before winter sets in. Then, on the opening of spring, the grass immediately recommences its growth and taking full possession of the ground, prevents weeds from obtaining a foothold. A lawn grown in this way will endure summer drought much better than a spring-sown lawn.

THE HENDERSON LAWN GRASS SEED is an intelligently arranged combination of grasses, which are at their best during different months of the year, thus keeping a lawn constantly covered with verdure. It is impossible to make an enduring lawn by sowing seeds of a single variety, which will only grow vigorously for a portion of the year. Kentucky Blue Grass for instance, while useful in lawn mixtures, grows but sparsely during midsummer, is slow to form a close sward, requiring two years to do that, and loses color in hot weather.

THE HENDERSON LAWN GRASS SEED is composed of fine-leaved, dwarf grasses, which produce a closely interwoven turf that maintains from year to year a covering of enduring green.

The quantity required for new lawns is 5 bushels per acre. For a plot 15 x 20, 300 square feet, use 1 quart. For renovating old lawns, use one fourth to one-half of above quantities. *Full instructions in every bag and package.*

DELIVERED FREE IN THE U. S. 40c. per qt., 75c. for 2 qts. \$1.35 for 4 qts., \$2.25 per peck of 5 lbs.; \$8.00 per bus. of 20 lbs. (By parcel post, express or freight, at our option.)

Lawn Grass Seed may be sown with success
up to the 20th of June

HENDERSON'S LAWN GRASS MIXTURE FOR SPECIAL PURPOSES.

"TERRACE SOD" Lawn Grass Seed for terrace and embankments; 45 cts. per quart; \$1.50 for 4 quarts; \$2.75 per peck of 5 lbs; \$10.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"SHADY NOOK" Lawn Grass Seed for shady places; 50 cts. per quart; \$1.75 for 4 quarts; \$3.25 per peck of 5 lbs; \$12.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"SUNNY SOUTH" Lawn Grass Seed for southern states; 50 cts. per quart; \$1.75 for 4 quarts; \$3.25 per peck of 5 lbs.; \$12.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"ATHLETIC FIELD" Grass Seed Mixture; 60 cts. per pound; \$50.00 per 100 pounds. *Delivered free in the U. S. Sow 75 to 150 pounds per acre.*

"SEASIDE" Lawn Grass Seed for sandy soil and saline surroundings; 35 cts. per quart; \$1.25 for 4 quarts; \$2.00 per peck of 5 lbs.; \$7.00 per bushel of 20 pounds. *Delivered free in the U. S.*

"PUTTING-GREEN" Grass seed Mixture for golf-courses; 75 cts. per quart; \$2.75 for 4 quarts; \$5.00 per peck; \$18.00 per bushel of 25 pounds. *Delivered free in the U. S.*

"FAIR-GREEN" Grass Seed Mixture for golf-courses; 60 cts. per pound; \$50.00 per 100 pounds. *Delivered free in the U. S. Sow 75 to 150 lbs. per acre.*

"TOUGH TURF" Grass mixture for tennis-courts, croquet-grounds and bowling-greens; 45 cts. per quart; \$1.50 for 4 quarts; \$2.75 per peck of 5 lbs.; \$10.00 per bushel of 20 pounds. *Delivered free in the U. S.*



Read "How to Make a Lawn," by Peter Henderson, which treats in detail of Lawn Formation and Care. sent free with all orders.

HENDERSON'S MIDSUMMER CATALOGUE

— 1922 —

Seasonable Seeds, Tools, Implements, Insecticides,
Fertilizers and Garden Requisites, etc.



PETER HENDERSON & CO., 35 & 37 Cortlandt St., NEW YORK